

## SEQUENCE LISTING

<110> Xu, Jiangchun  
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<120> COMPOUNDS FOR IMMUNOTHERAPY AND  
 DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE

<130> 210121.471C11

<140> US

<141> 2000-08-28

<160> 1083

<170> FastSEQ for Windows Version 3.0

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<212> DNA

<213> Homo sapien

<220>

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<222> (1)...(458)

<223> n = A,T,C or G

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gcaacctgga	acaaaagtcc	tgatccagta	gtcacacttc	tttttcctaa	acaggacgga	360
ggtgacattg	tagctcttgt	cttctttcag	ctcatagatg	gtggcataca	tcttttgcg	420
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<210> 2

<211> 423

<212> DNA

<213> Homo sapien

<400> 2

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<213> Homo sapien
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<213> Homo sapien
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 gtsrattcsa catttggrt akrtymtctc tsgaagysam tgtcakgcag tgrcayccwr 180  
 gkktcwgawt gcwgtgrgtt amcakcmwtr ywtagksgm ayatrattta ramrgtayak 240  
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 taagatgagg tggctccttg cccattggga cccggatctg gactgggttca ccattgtact 180  
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 <213> Homo sapien

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<213> Homo sapien
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<212> DNA
<213> Homo sapien
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<222> (1)...(411)  
<223> n = A,T,C or G
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<211> 560  
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 <213> Homo sapien

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 gcatctggat tcctaatacct ttcccgaaat ggcagggtgtg agtgccctgta taaaatattc 180  
 tatgtttacc ttcaacttct tgttctggct atgtgggtatc ttgatccctag cattagcaat 240  
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 cctgggatgc tgcggtgcta taaaagaaaag tcgctgcatg cttctgttgt ttttcatagg 420  
 cttgcttctg atcctgctcc tgcagggtggg cgacagggtat cctaggagct gttttcaaat 480  
 ctaagtctga tcgcattgtg aatgaaactc tctatgaaaa cacaaagctt ttgagcgcca 540  
 caggggaaaag tgaaaaacaa 560

<210> 13  
 <211> 150  
 <212> DNA  
 <213> Homo sapien

<400> 13  
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 ttgaacacat ttaagatttg agggatataa gggaaaatga tatgaatgtg tatttttact 120  
 caaaataaaa gtaactgttt acgttgggtga 150

<210> 14  
 <211> 403  
 <212> DNA  
 <213> Homo sapien

<400> 14  
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 ttccctcacc ccaagcctca tgttcatacc agccagtggg ttcagcagaa cgcatgacac 180  
 cttatcacct cctccttgg gtgagctctg aacaccagct ttggcccctc cacagtaagg 240  
 ctgctacatc aggggcaacc ctggctctat cattttcctt ttttgccaaa aggaccagta 300  
 gcatagggtga gccctgagca ctaaaaggag gggccctga agctttccca ctatagtgtg 360  
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<210> 15  
 <211> 688  
 <212> DNA  
 <213> Homo sapien

<220>  
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 <222> (1)...(688)  
 <223> n = A, T, C or G

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 caaaagcaca gaagcacatc acatacacca gcaagggttc caactactgc actgattaac 180

tagatactct	caatagcttt	tctatagctc	gtcctagaaa	aaaaaattaa	attttcattt	240
tcttacaagt	tccaggctta	aacaaaggca	aaaattacat	gcaacaactg	atacactcat	300
aagttgcaca	tatgctccaa	ggctctttatt	agataacaat	aaatgctagc	actttgtcac	360
tgccatcaga	ttttccttat	agtcttagag	tcatgtaaat	aaaagttcca	taatgaaatt	420
aaagaaaatt	aatttttcta	atcttagatc	agttccatag	aaaactatta	atttttttaa	480
agtaggcagt	agaagggggg	tgggtggggg	tgggaattgg	tagtaagtct	ggttctaata	540
ttctgagctg	cctttggaag	gaagttatga	ggtagaagat	tctactgact	tttagtaagg	600
tggacaatga	gagaaaagaa	aaagcagggt	cctcatcnnc	agatccttnt	ggatatttatn	660
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<210> 16

<211> 408

<212> DNA

<213> Homo sapien

<400> 16

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caaatgggat	gtttttcagt	acagttggat	gtcgtcctac	aagatgtggg	gaatttgaaa	180
agaataaccc	tgatctttac	ttaaaggagt	tgctaaatct	tgctgaaaac	aataaaggga	240
aagttgtggc	aataggagaa	tgcggaactg	attttgaccc	gactgcagtt	ttgtcccaaa	300
gatactcaac	tcaaataattt	tgaaaaacag	tttgaactgt	cagaacaaac	aaaattacca	360
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<210> 17

<211> 407

<212> DNA

<213> Homo sapien

<400> 17

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cagagcactc	cctaatttat	gtgctatata	aatatgtcag	atgtacatag	agatctattt	180
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ccagtgggct	gatgctggga	cccttaggat	ggggctccca	gtccttttct	cctgtgaatg	300
gaggcagaag	acctccaata	aagtgccttc	tgggcttttt	ctaacccttg	tcttagctac	360
ctgtgtactg	aaatttgggc	ctttggatcg	aatatggtca	agagggtt		407

<210> 18

<211> 405

<212> DNA

<213> Homo sapien

<400> 18

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caagttgttt	ggacagaaag	gctacagagt	gtggctcctg	ctcttggtga	agaattacga	180
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tgagagatca	gtcggacacg	attggcaggg	agagcacgtg	tgtttttatg	agaattatgc	300
ccgagatagg	taacagatga	ggaagaaatt	tgggcttgat	tgaagtaatg	ggggctgtct	360
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<210> 19

<211> 401

<213> Homo sapien

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gaatgattgg	tgatggcctg	gatacggttt	tggatgattt	gagaagctaa	atggaagata	300
caaggtccga	ataaaaggag	gagaaaaatg	ggtattaaat	gtctaagaat	tgggaggacc	360
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<213> Homo sapien

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tcccggattt	tgtctccag	cctccggttc	tccgtctcca	ggctcctcac	tctgtccagg	240
taagaggcca	ggcggtcgtt	caggctttgc	atggtctcct	tctcgttctg	gatgcctccc	300
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<213> Homo sapien

<223> n = A, T, C or G

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agcttatgtc	cagaccttct	ggatccttgg	cagtcacatt	gcccacttta	gtgcctatag	180
ctacatcctc	actgactttc	gcttgggaata	cgtgttggga	aaattgaggt	gcttcattca	240
catctgtcac	aataaagncgt	gaactttggca	aaagaacttg	cattgttactt	cacaccaaac	300
actagaaggct	caggattttc	tgctttgaac	acaatgttgg	aaacag		346

<213> Homo sapien

$\langle 223 \rangle$  n = A, T, C or G

<400> 22

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<210> 23
<211> 251
<212> DNA
<213> Homo sapien
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<210> 24
<211> 421
<212> DNA
<213> Homo sapien
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<210> 25
<211> 381
<212> DNA
<213> Homo sapien
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<222> (1)...(381)  
<223> n = A,T,C or G
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ttaaaaaata	gcttggtgct	tgcaanaaa	tccatataat	cttatcccc	cccaaatata		180
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<210> 26
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G
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<210> 27
<211> 383
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G
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<210> 28
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G
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caatcaccat	tggagaataa	cttttattaa	taagtgtat	gagctctgcy	acacttacct	180
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tgtgcgttgc	agtcagcctc	ttgtcggtat	gagtgggaaa	cgaaataaag	atgatgagaa	360
atatctcgat	gttatcaggg	agactaataa	acaaatttct	a		401

&lt;210&gt; 29

&lt;211&gt; 401

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 29

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tctgctgagc	acccccctgg	tcatcttttg	ggtctcagaa	gagccataat	catgaccatt	180
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ataatcaggc	tttccagag	agtctgcgta	tggattgatt	ctaaaacttg	tatgttccag	360
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&lt;210&gt; 30

&lt;211&gt; 401

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 30

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agagactgcc	atacataata	tatgacttcc	tagggatctg	aatccataa	actaagagaa	120
actgtgtata	gcttacctga	acaggaatcc	ttactgatat	ttatagaaca	gttgatttcc	180
cccatcccca	gtttatggat	atgctgcttt	aaacttggaa	gggggagaca	ggaagtttta	240
attgttctga	ctaaaacttag	gagttgagct	aggagtgcgt	tcatggtttc	ttcactaaca	300
gaggaaattat	gctttgcaat	acgtccctcc	aagtgaagac	agactgtttt	agacagactt	360
tttaaaatgg	tgcctaccca	ttgacacatg	cagaaattgg	t		401

&lt;210&gt; 31

&lt;211&gt; 297

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 31

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aatgatgcca	atgggtggaa	tgatgccacc	tggaccagga	ataccacctc	tgatgcctgg	180
aatgccacca	ggtatgcccc	cacctgttcc	acgtcctgga	attcctccaa	tgactcaagc	240
acaggctgtt	tcagcgccag	gtattcttaa	tagaccacct	gcaccaacag	caactgt	297

&lt;210&gt; 32

&lt;211&gt; 401

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 32

caaacctgga	gccaaaaagg	acacaaagga	ctctcgaccc	aaactgcccc	agaccctctc	60
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caagacaagc aacaaaccct tgatgattat tcatcacttg ggtgagtgcc cacacagtca 180
agcttttaaag aaagtgtttg ctgaaaataa agaaatccag aaattggcag agcagtttgt 240
cctcctcaat ctggtttatg aaacaactga caaacacctt tctcctgatg gccagtatgt 300
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<210> 33
<211> 401
<212> DNA
<213> Homo sapien

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<400> 33
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aggccagtga gttggttgtc acttactttt tctgtgggga agaaattcca taccggagga 180
tgctgaaggc tcagagcttg accctggggc actttaaaga gcagctcagc aaaaagggaa 240
attataggta ttacttcaaa aaagcaagcg atgagtttgc ctgtggagcg gtgtttgagg 300
agatctggga ggatgagacg gtgctcccg tgtatgaagg ccggattctg ggcaaagtgg 360
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<210> 34
<211> 401
<212> DNA
<213> Homo sapien

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<400> 34
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ggaaagcgat tttatttcaa aaatgttgcc attttgattc ctgaaacatg gaagacaaaag 180
gctgactatg tgagaccaaa acttgagacc taaaaaaatg ctgatgttct ggttgcttga 240
gtctactcct ccaggtaatg atgaacccta cactgagcag atggggcaac tgtggagaga 300
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<210> 35
<211> 401
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

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<400> 35
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gggtaaagcc tttggcgccc tttccgcaat ggcacatcag cagtaaaaagt ggtaccaata 180
gcangaacag aaagggcaaa atcatganeg caattgctgc ggggtcccaag cccacatagg 240
aatcatgctg ngcttcctg canccgctgc catgcaagac actnacaaac tngngantga 300
aggacctgct tttcaggaca actaaaaccc tgattgnctg aaatcaggaa ctgaatttca 360
cttctcccaa gctttttctc acttttgtgc aacancacac t 401

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<210> 36  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 36  
 cctgctagaa tcactgccgc tgtgctttcg tggaaatgac agttccttgt tttttttggt 60  
 tctgtttttg ttttacatta gtcattggac cacagccatt caggaactac cccctgcccc 120  
 acaaagaaat gaacagttgt agggagaccc agcagcacct ttcctccaca caccttcatt 180  
 ttgaagttcg ggtttttgtg ttaagttaat ctgtacattc tgtttgccat tgttacttgt 240  
 actatacatc tgtatatagt gtacggcaaa agagtattaa tccactatct ctagtgcttg 300  
 actttaaatc agtacagtac ctgtacctgc acggtcaccc gtcocgtgtg tcgccctata 360  
 ttgagggctc aagctttccc ttgttttttg aaagggggtt a 401

<210> 37  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(401)  
 <223> n = A,T,C or G

<400> 37  
 cnnctntgna atggantnnt tgnctaaaan ganttgatga tgatgaanat ccctangang 60  
 antaagcatg gancntgac ntttntnng cactccttta cgacacggaa acangnatca 120  
 ncatgatggt accaganacc ttatcaccna cgcgcacnga nctgactnat tccaaagagt 180  
 tngggttacg gncatccggt cattgctcgt gccattgct gcagggctga tntactggt 240  
 gcttattatg ntggccctga ggatgctcca caatgaatat aagcatgctg catgatcagc 300  
 ggcaacanat gctctgccgt ttgcactaca tctttcacgg acacnatntc gaanacgggc 360  
 acnttgcana gttagacttg gaatgcatgg ngccggncan n 401

<210> 38  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 38  
 aattggctca ctctctcaag gcaagcactg tctcaaggca gtctcaaggc agagatgaca 60  
 cagcaaaaaa cagaggggga gaaaaaagtc tattattggc ttgtgattta caaaagccaa 120  
 agtccttttag ataaaaggcc aggagtcgta ccaacataga taccaaatcc aggagaacac 180  
 agaccagcga taagagggac gcttcccat gaccagacc agcctaaagc cctgtgggg 240  
 gcagccagtg gggagctgtc agaccttgga catggtggtc tttgagaatg ggtctgccct 300  
 tctctccctg accagttggg atagacacct gactggaatc cttgacactg gcaggtgttt 360  
 ctatgaacag agaggactgt gcctgtcttc ctgaatccca a 401

<210> 39  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature



<223> n = A, T, C or G

tctggtangg	agcaattcta	ttatttggca	ttgcatggct	gggttgaatt	aaaacagggg	60
gtgagaacag	gtgagtctag	aagtccaact	ctgaaaagga	ccactgtaca	tttgaacaca	120
cggctgtgtt	aaagatgctg	ctaattgtcag	tcactgggtg	cactaaagga	tctcttattt	180
tatgtaaaac	gttgggaaatg	acaagatana	actgatactc	tggtaaagtta	ccctctgaag	240
ctacttcttg	tgaaatacta	atgacagcat	catcctgcc	agcgaaagag	gcaggcataa	300
gcaaggacaa	attaaaaggg	ggtaagagcc	ttatcatgat	gaggagtctt	gttttgacat	360
cttgggaaaa	gctgtccata	gtgtgaagtc	gtcaatttct	c		401

<213> Homo sapien

tctggtcacc	caactcttgt	ggaagagggg	aattgagatc	gagtactgaa	tatctggcag	60
agaggctgga	atccttcagc	cccagagccc	agggaccact	ccagtagatg	cagagagggg	120
cctgcccagg	ggtcagggca	gtgggtatca	ctggtgacat	caagaatatc	agggctgggg	180
aggcatcttt	gtttcctggg	gccctcctca	aagttgctga	cactttgggg	acgggaaggg	240
gtagaagtag	ggctgctcct	tttgagctg	gagggaatag	acctggagac	agagttgagg	300
cagtcgggct	gtccagggtc	taagcatcac	agcttctgca	ctgggctctg	aggagattct	360
cagccagagg	atcccagcct	cctcctccct	caaatgtcaa	g		401

<213> Homo sapien

<223> n = A, T, C or G

ctggactaaa	aatgtccact	atggggtgca	ctctacagtt	tttgaaatgc	taggaggcag	60
aaagggcaga	gagtaaaaaa	catgacctgg	tagaaggaag	agaggcaaag	gaaactaggt	120
ggggaggatc	aattagagag	gaggcacctg	ggatccacct	tcttccttan	gtccccctcct	180
ccatcagcaa	aggagcactt	ctctaatacat	gccctcccga	agactggctg	ggagaagggtt	240
taaaaaacaaa	aaatccagga	gtaagagcct	taggtcagtt	tgaaattgga	gacaaactgt	300
ctggcaaagg	gtgcganagg	gagcttgtgc	tcangagtcc	agcccgtcca	gcctcgggggt	360
qtanqtttct	qaaqtatgcc	attggggcct	caccttctct	q		401

<213> Homo sapien

ggttcgacaa	atcccaaaa	atggcaaatt	aagccctgtg	acaaaataag	ttattgggatc	60
atacagaaat	agcccaaatc	tggaaatttt	gaattaaaat	tgtaatcctg	taaaacaagt	120
tttggggtga	atggatttct	ttaataccaa	taatattttt	aattcccacc	acagatggat	180

```
<210> 43
<211> 401
<212> DNA
<213> Homo sapien
```

```
<210> 44
<211> 401
<212> DNA
<213> Homo sapien
```

```
<210> 45
<211> 401
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G
```

<210>	46
<211>	401
<212>	DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(401)

<223> n = A,T,C or G

<400> 46

gtcagaattg	tctttctgaa	aggaagcact	cggaatcctt	ccgaactttc	caagtccatc	60
catgattcan	agatactgcc	ttctctctct	ctgggatttt	atgtgtttct	gatagtgaat	120
tggtgatgta	tttgctactt	tgcttctttt	ctctttcaag	acttgatcat	tttatatgct	180
gnttgagaa	aaaaagaact	tttggttagca	aggagggttc	aagaaatgat	tttggatttt	240
ctgctgcgga	atttctcggc	acctacctgt	agtatggggc	acttgggttg	gttgcagagt	300
aagaagggtg	aagaatgagc	tgtacttggt	taagcagttg	aaacctttt	tgagcaggat	360
ctgtaaaagc	ataattgaat	ttgtttcacc	cccgtggatt	c		401

<210> 47

<211> 401

<212> DNA

<213> Homo sapien

<400> 47

ggtctgcagc	aatgcacttc	aaccatacat	actgcttcca	ctagctaata	ccaaatgcag	60
gttctcagat	ccagacaaat	ggaggaaaag	aacatttatg	cttccgtttc	agaaagccaa	120
gtcgtagttt	tggcccttcc	tttctctaaa	gtttattccc	aaaaacaggt	agcattcctg	180
attgggcaga	gaagaggata	ttttcagccc	acatctgctg	caggatgctc	attttctccc	240
atcttcactg	tgactagtaa	agatctcacc	acttctcttt	ggaatttcca	actttgcttg	300
tgattgaatg	tcacttcgtg	aatttgtatt	atgtcagatc	acttggcatt	gctcttccat	360
atgcatcaag	ttgccaggca	ctaaacccaa	tgttcatgaa	c		401

<210> 48

<211> 430

<212> DNA

<213> Homo sapien

<400> 48

acataacttg	taaacttttt	ctgcttgggg	gctgtaacag	acagaagagt	aaagactaca	60
aggattttct	gaagatgctt	caatgaaaat	catcatttcc	tctttagtca	tcccaagtct	120
tggtttgaaa	aacttgggca	tggaacttata	cagaccttga	accaccactg	acttatcatt	180
gggtggcaga	ccttgaaacc	aagctctctg	tgttacttct	gaaagtgcac	caattctgat	240
ttggctaaga	acagaagaca	aatactggga	tcgtgattct	gtgttatact	ctagccacag	300
catagcagct	tctcgaaagg	tttcttccct	ttctacattt	aaattgtcac	tactgagaat	360
atctatcagt	aggatcatgt	acagacctgc	cccggggccg	gcccgcctga	tgcttgccga	420
atatcatggt						430

<210> 49

<211> 57

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(57)

<223> n = A,T,C or G



<400> 53

<210> 54

<211> 66

<212> DNA

<213> Homo sapien

$\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (66)$ 

<223> n = A, T, C or G

<400> 54

cctnaatnat ntnaatggta tcaatncccc tgaangangg gancgngnga agccggnnttt 60  
gtccgg 66

<210> 55

<211> 265

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

$\langle 222 \rangle$  (1) ... (265)

<223> n = A, T, C or G

<400> 55

atcttttcttc	tcagtgccctt	ggccntggtt	agtctatctg	gtaacactgg	agctgactcc	60
ctgggaagag	aggccaaatg	ttacaatgaa	cttaatggat	gcaccaagat	atatgaccct	120
gtctgtggga	ctgatggaaa	tactttatccc	aatgaatgcc	gtgttatgtt	tttgaaaatc	180
ggaaacgccca	gacttctatc	ctcattcaaa	aatctggggc	ttnctgaaaa	ccagggtttt	240
naaaatccca	ttcnqgtcnc	cqgcg				265

<210> 56

<211> 420

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (420)$ 

$\langle 223 \rangle$  n = A, T, C or G

<400> 56

gagcgggccgc cccgggcaggt cctcgcggtg acctgatggg atttcaaaac cttggttctc 60  
agcaaggccc agatttttga atgangatag aagctctggcg tttccgattt tcaaaacata 120

```
<210> 57
<211> 170
<212> DNA
<213> Homo sapien
```

```
<210> 58
<211> 193
<212> DNA
<213> Homo sapien
```

```
<210> 59
<211> 229
<212> DNA
<213> Homo sapien
```

```
<210> 60
<211> 340
<212> DNA
<213> Homo sapien
```

<210>	61
<211>	179
<212>	DNA







<400>	71						
caggaggtatt	ttgtagaaaa	gccagaagag	cattagtaga	tgtatggaaa	tatacggtag		60
ggcacacgct	gacagtactt	ttcccaagcc	acgccgtatt	tcttcttaca	gtgggtactcg		120
tcacgagctt	ctcggtggtg	aagcaacatg	gtgaaataaa	ttatgtagaa	ataaggcaga		180
atgtgggttaa	aaccacatgg	gagggaccac	gccaaggcca	tgatgagatc	acccaagtaa		240
ttgggggtggc	gaacaaagcc	ccaccatcca	gaaactagaa	naattttttcc	cgttgaaata		300
tgaatggntt	ttaaatgtgc	aagcttttga	tcactgggaa	ttttcccgaa	tgcttttttc		360
tganaattgc	accttngqaa	gantccttac	cccaagnttc	agaccattat	ttnaaaagcn		420

ttggaact

428

<210> 72  
 <211> 264  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(264)  
 <223> n = A,T,C or G

&lt;400&gt; 72

gaataaaagag	cttactggaa	tccagcaggg	ttttctgccc	aaggatttgc	aagctgaagc	60
tctctgcaaa	cttgatagga	gagtaaaaag	ccacaataga	gcagtttatg	aagatcttgg	120
aggagattga	cacacttgat	cctgccagaa	aatttcaaag	acagtagatt	gaaaaggaaa	180
ggctttggta	aaaaaaggtt	caggcattcc	tagccgantg	tgacacagtg	gagcanaaca	240
tctgcangag	actgancggc	tgca				264

<210> 73  
 <211> 442  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(442)  
 <223> n = A,T,C or G

&lt;400&gt; 73

ggcgaatccg	gcgggtatca	gagccatcag	aaccgccacc	atgacggtgg	gcaagagcag	60
caagatgctg	cagcatattg	attacaggat	gaggtgcatc	ctgcaggacg	gccggatctt	120
cattggcacc	ttcaaggctt	ttgacaagca	catgaatttg	atcctctgtg	actgtgatga	180
gttcagaaag	atcaagccaa	agaacttcaa	acaagcagaa	agggaagaga	agcgagtcct	240
cggctctgng	ctgctgccaa	gggagaatct	ggtctcaatg	acngtagaag	gaccttcttc	300
caaagatact	ggnattgctc	gagttccact	tgctggaact	tcccggggcc	caaggatcgc	360
aaggcttctg	gcaaaagaaa	tccanacttn	ggccgggacc	acctaancca	attcacacac	420
tggcggccgt	actagtggat	cc				442

<210> 74  
 <211> 337  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(337)  
 <223> n = A,T,C or G

&lt;400&gt; 74

ggtagcagcg	tctccagagc	ctgatctggg	gtcccagata	cccaggcagc	agcagccctg	60
gaggtaaaag	gcaagctccc	caatgtgagg	ggagacccca	ttcctgggtca	gccaggcttt	120
cagaggagat	agcaggtcga	gggagccaac	gaagaagaga	ctgccancag	gggaaggact	180
gtcccgccaa	ggacagaact	gattcagggg	ggtcaatgct	cctctagaga	agagccacac	240

```

<210> 77
<211> 458
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 77
agtagagatg gggtttctact gtgttaacca ggatggtctt gatctcctgg cctcgtgac 60
tgccgcctc ggcctcccaa agtgttggga ttacaggcgt gaaccaccgc acccggccag 120
aaatgtagt ttttccctat tctctctcct ttttcctatt atatacttgg tcaaccagac 180
agccatccta cccanaaatg gtaatgcctc ttcattcctc atatgaggga ataaaagaga 240
aaaaagcttt tggaaaacat ccacttatct aatcatccca aatatgtaat caaaagtata 300
caactcatgt gaagaataca ctggtaaaat gttantatag gccaaaggat cttgaattcc 360
tatataqaaa qctggttaa atgcccttttgg ctggaaccgc catcttccnn taattcnccc 420

```

458

```
<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G
```

tccgcaaatt	tcctgccggc	aaggtccag	catttgagg	tgatgatgga	ttctgtgtgt	60
ttgagagcaa	cgccattgcc	tactatgtga	gcaatgagga	gctgcgggga	agtactccag	120
aggcagcagc	ccagggtggtg	cagtgggtga	gctttgctga	ttccgatata	gtgccccag	180
ccagtacctg	ggtgttcccc	accttgggca	tcatgcacca	caacaaacag	gccactgaga	240
atgcaaagga	ggaagtgagg	cgaattctgg	ggctgctgga	tgcttacttg	aagacgagga	300
cttttctggt	ggcgaaacga	gtgacattgg	ctgacatcac	agttgtctgc	accctgttgt	360
ggctctataa	gcaggntcta	gaaccttctt	ttcgangac	cttcggccgg	accacgctta	420
acccaaattc	cacacacttg	cnggccgtac	taanggaatc	ccac		464

```
<220>  
<221> misc_feature  
<222> (1)...(380)  
<223> n = A,T,C or G
```

ctgtatgacc	agtttttcca	tctccttcac	ttctaccttg	atcagctcga	agtccagttc	60
agtgtaaaga	atgggtatcct	tctccatgat	gtcaattcgg	acagttagggt	ttaacagttt	120
cttttcatac	acaactaatta	attggacata	ttccctcact	ttanaaagtt	ctttctcaaa	180
cttctganaa	aagaacatga	actgtgaatt	ccaagcgttc	ccactctgtc	cacgggaaaa	240
ggtggtgtct	ggcagggaaa	cagaacactg	gcaggtccac	ggcatccac	ggagccggtg	300
aaattgggaa	aacaactggg	acacagaacc	tccgctgcct	aagctgcggn	tgggagcttg	360
gaacccgacc	tggaactgga					380

```
<220>
<221> misc_feature
<222> (1)...(360)
<223> n = A,T,C or G
```

tcgagcggcc	gcccgggcag	gtcctcagag	agctgtttgt	tncgcttctt	caaaaactcc	60
tattctccac	ttctgctaaa	ggactggatg	acatcaattg	tgatagcaat	atttgtgggt	120

```

gttctgtcan ncancatcgc actcctgaac aaagtagatg ttggattgga tcagtctctt 180
tccaccaga tgactcctan atgggtgatn atttcaaadc catcantcag tacctgcatg 240
cnggtccgc ctgtgtncct tgcctgcag gangggcnct actacacttc ttccnagggg 300
canaacatgg tgtgcngcgg ccatgggctg gcaacantga ttcnctgctg caccanatn 360

```

```

<210> 81
<211> 440
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```

```

<400> 81
acgtggtccg gcgagtctga cctgcagata tgaactcctt gggaaaccta cattctgcct 60
cagacatact gggggcaaat ggctttaaaa gtctggctca gggagccaag attacagaaa 120
nccgttgagt cnccatacat ggacactgac aaaggaactg aagatatcca aacaagccct 180
cctggtcccg ngcctgcata aagatcgga ncggaacggt accngacgtc tgtggtcagg 240
ggttgtggaa aattggaaaa aaccagtcct gccacattg acaggggaagc ctcaacggaa 300
attgaacaga tngtcttata accagtcctc cctcctggat cntgtctcgg ctenggggan 360
tcagtgatca gtcctttcag gtggaagaag caaagaagat caacaanaag cngatcctct 420
cacctgntac cagcatatgg 440

```

```

<210> 82
<211> 264
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(264)
<223> n = A,T,C or G

```

```

<400> 82
agcgtggtcg cggccgangt cctgacattc ctgccttctt atattaatta tacnaataaa 60
acaaaatagt gttgaagtgt tggagcggcg aaaatttttg gggggtggta tggacagaga 120
atgggcgatn ttctcanggc tgcttcaagt gggattgggg cngcgtggga tcatncagtg 180
gganagattn cnctgaccgg antctnttgg tanggatnat cttgtgggga tgtgcaagag 240
ncattcgtct cctgaatgan tggg 264

```

```

<210> 83
<211> 410
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

```

```

<400> 83
ancgtggtcg cggccgangt ccacagttgt gggagagcca gccattgtgg gggcagctcc 60

```

```
<210> 84
<211> 320
<212> DNA
<213> Homo sapien
```

<400> 84

```
<210> 85
<211> 218
<212> DNA
<213> Homo sapien
```

<400> 85

```
<210> 86
<211> 283
<212> DNA
<213> Homo sapien
```

<400> 86

tcgacttcctt	gtgaagggttt	tgganaaata	tgtatcagtt	cgttttattt	gggtattcaa	60
taatatacctt	ggtgataatg	ctgactccat	ggcttctgac	cccaaaaatt	gaccctgctg	120

```

ccactggttg tagccctgag attgattttt gtagccacga ttgtttcctc gtcctctgaa 180
gtncctggttg tanttcctc tgtngggcat tcccctctgt tgtantttccc tctgtttgan 240
taactaccac ggccaggaaa aacaggggca cgaaggtatg gat 283

```

```

<210> 87
<211> 179
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(179)
<223> n = A,T,C or G

```

```

<400> 87
agcgtggtcc cggccgatgt ctttctgtgt aagtgcataa cactccacat acttgacatc 60
cttcangtca cgggccagct nttcagcant ctctggagtg ataggctact gtntgttctn 120
ggcaagtgtc tcaanaatac aggggtcntc tctgagatga ntttcagtcc cgaaccctc 179

```

```

<210> 88
<211> 512
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

```

```

<400> 88
tcgagcggcc gcccgggcag gtcctancan agaatcacca aatttatgga gagttaacag 60
gggtttaaca ggaangaagt gccttttagta agttctcaag ccagangctg gaggcagcag 120
ctaaatcaga ggacaggatc ctcaagtgaat gtgagccatt cgggggtggca tgtcactcca 180
ggaataagca caacttanaa acaaatgatt tcgtangata gcacagtgcac attggtgcac 240
ttgtgaacct gaggccactg tgtcaaaactg tgcaactggt gtgaataggg aganccaaaa 300
attatgtcct actgggtaat gagctttcaa tgggctcgat cctctcacnc tgaaagctct 360
gtagagcagc tcagaaccac aaccactccc aacattgacc cttctggggg tactgtctgt 420
ggcaccaca ggaaggagct ggagatcccc attaggactg tccaccacaca cttgaagcca 480
caaaactgca cctcggccgc gaccaccgct ta 512

```

```

<210> 89
<211> 358
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

```

```

<400> 89
tcgagcgggc cgcccgggca ggtctgccag tccccatccc agacattctt tgcattctaag 60
ctgangtctg aactgagtgg ggtgggctgg tgtttccatc ctcaacaactc cagtgcagccg 120
ggtgtggccg tggcctgcgt ctctctggcg gttagtgatg ttggcatcat ccaccttttt 180

```

caaaacaaaa	gcactggact	gaagaanaat	ccnccctgt	ntccaccag	tccatggttt	240
ttaataaaag	ggttatnnaa	gttgancaag	ncatcaccac	acacaancct	aagaacnttt	300
ttcatcnntc	cccaaaacaa	accncaccc	tggaactcc	gggcgcgaac	cacgccta	358

<210> 90  
 <211> 250  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(250)  
 <223> n = A,T,C or G

<400> 90						
cgagcggccg	cccgggcagg	tctggatggg	gagacggact	ggaactgcgg	cttcccgtgg	60
cctgcacgca	caaggctccc	cacggccgcc	gaccttcttc	agattcgatc	gtatgtgtac	120
gcacnaagag	ccaaatattg	acattcacia	cttcgtggga	atnttaccac	anaagactgc	180
gacccccga	tcaggcgana	gcctgagcat	agaagaacac	cgctgtgggc	ttggcactgt	240
gggncccatc						250

<210> 91  
 <211> 133  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(133)  
 <223> n = A,T,C or G

<400> 91						
tcgagcggcc	gnccgggcag	gtcccgggtg	gttgtttgcc	gaaatgggca	agttcntnaa	60
ncctgggaag	gtggtgcntg	tnctggctgg	acgctactcc	ggacgcnaag	ctgtcntcgt	120
gangancatt	gat					133

<210> 92  
 <211> 232  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(232)  
 <223> n = A,T,C or G

<400> 92						
agcgtggctg	cggccgangt	ctgtcacttt	gcgggggtag	cggtcaattc	cagccaccag	60
agcatggctg	tagggcgat	ctgaggtgcc	atcatcaatg	ttcttcacga	tgacaagctt	120
tgcgtccgga	gtagcgtcca	gccaggacaa	gcaccacctt	cccacgtntt	cangaactng	180
cccatttcgg	cataaccacc	cgggacctgc	ccgggcggnc	gctcgaaaag	cc	232

<210> 93  
 <211> 480



```
<220>  
<221> misc_feature  
<222> (1)...(480)  
<223> n = A,T,C or G
```

```
<210> 94
<211> 472
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G
```

```
<210> 95
<211> 309
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(309)  
<223> n = A,T,C or G
```

<400> 95						
tcgagcggcc	gcccgggcag	agtgtcgagc	cagcgtcgcc	gcgatggtgt	tgttgagagag	60
cgagcagttc	ctgacggaac	tgaccagact	tttccanaag	tgccggacgt	cgggcancgt	120
ctatatcacc	ttgaagaant	atgacggtcg	aaccaaacc	attccaaaga	aangtactgt	180
gganggcttt	ganccgcgag	acaacnagtg	tctgttaaga	actaccgatn	ggaaanaana	240
anatcagcac	tgtggttgaq	ctccnagqga	agttaataan	tttcggatgg	gcttattcna	300

309

```
<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G
```

```
<210> 97
<211> 430
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(430)
<223> n = A,T,C or G
```

```
<210> 98
<211> 307
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G
```

<400> 98  
ttnaacggcc gccnggcnn gtctngcngc acctgtgcct canccgtcga tacctggtcg 60  
attgggacan ggaanacaat ntggttttca gggaggccac anatttggag aaacggatga 120

attctccttt attccgaant cagctccttg gtctccgtag anggtgatct tgaaattctc 180  
 ctgttttgaa aactttcttg aanaaacctt acctgctggt tgtatttggt ctcccactcg 240  
 gacaagtact cgttatccnn ggtactctta atgtgccac gtnaactccc cgggntggca 300  
 actggaa 307

<210> 99  
 <211> 207  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(207)  
 <223> n = A,T,C or G

<400> 99  
 gtcnnggacc gatgttgca aganntttct tgggccanta gggtcnaaaa aatgataanc 60  
 naggtntanc acgtgaagat ntntatanag tcttantnaa aacncntaga tctgnatgac 120  
 gataantcga anacnngggg aggggntgag gngagggtgn gtganggaag anntgttgat 180  
 aaaagannna gntgataaga annagac 207

<210> 100  
 <211> 200  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(200)  
 <223> n = A,T,C or G

<400> 100  
 acntnnacta gaantaacag ncntttctang aacactacca tctgtnttca catgaaatgc 60  
 cacacacata naaactccaa catcaatttc attgcacaga ctgactgtaa ttaattttgt 120  
 cacaggaatc tatggactga atctaatacn nccccaaatg ttgttngttt gcaatntcaa 180  
 acatnnttat tccancagat 200

<210> 101  
 <211> 51  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(51)  
 <223> n = A,T,C or G

<400> 101  
 tcgagcggcc gcccgggcag gtctgaccag tgganaaatg cccagttatt g 51

<210> 102  
 <211> 385  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(385)  
 <223> n = A,T,C or G

<400> 102  
 aacgtggtcg cggccgaagt ccatggtgct gggattaatc cactgtgacn gtgactctga 60  
 gttgagttgt ttttcaatct tctccaagcc tgtggactca tcctccacat ccttgggtag 120  
 taggatgaac atgctgaaga tgctnathtt gaaaaggaac tctatgaatc ttacaattga 180  
 atactgtcaa tgtttcccca tnacagaacg tggnccccca aggttccatc atctgcactg 240  
 ggtttgggtg ttctgtcttg gttgactctt gaaaagggac atttcttttt gttttcttga 300  
 attcanggaa attttcttca tccactttgc ccacaaaagt taggcagcat ttaaccccca 360  
 anggatthtt ggtctgggtc cttcc 385

<210> 103  
 <211> 189  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(189)  
 <223> n = A,T,C or G

<400> 103  
 agcgtggtcg cggccgaagt ctgcagcctg ggactgaccg ggaagctctg attatttacc 60  
 caccacaggt angttgtgtt ctgaatctca agttcacagg ttaaggctac agcatcctca 120  
 tcctccacgg ggttggantt gttgctggtg atgaanggtt tgggggtggct ctgcataact 180  
 gttgatctc 189

<210> 104  
 <211> 181  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(181)  
 <223> n = A,T,C or G

<400> 104  
 tcgagcggcc gcccgggcag gtccaggtct ccaccaangc accaccgtgg gaagctggta 60  
 attgatgccc accttgaagc cnntggggca ccacccncca actggatgct gcgcttggtt 120  
 ttgatgggtg caatggcaca ttgactcttt tgggaaccac ttcaccacgg tacaacaggc 180  
 a 181

<210> 105  
 <211> 327  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

009230" T84960

<223> n = A, T, C or G

tgcagcggcc	gcccgggcag	gtcttctgtg	gagtcctgcgt	gggcatcgtg	ggcagtgggg	60
ctgccctggc	cgatgctcan	aaccccagcc	tctttgtaaa	gattctcatc	gtgganatct	120
ttggcagcgc	cattggcctc	tttggggtca	tcgtcgcaat	tcttcanacc	tccanaatga	180
anatgggtga	ctanataata	tgtgtgggtn	gggccgtgcc	tcacttttat	ttattgctgg	240
ttttcctggg	acagaactcg	ggcgcgaaac	cgcttanccg	aattccaaca	cactggcggg	300
cgttactagt	ggatccgagc	tcgggtac				327

<213> Homo sapien

<223> n = A, T, C or G

agcgtgggtcg	cggccgahgt	ctggcgtgtg	ccacatcggt	cccacctcgc	tttacaaaac	60
agtcctgaac	ttnatctaata	aaaattattg	tacacnacat	ttacattaga	aaaaganagc	120
tgggtgtang	aaaccgggcc	tgggtgtccc	tttaagcgaa	ngtggctcca	cagttggggc	180
atcgtcgctt	cctcnaagca	aaaaagccaa	tgaaccccn	agggggaaaa	aggaatgaag	240
gaactnccn	gggahgccc	ctccgaaa				268

<213> Homo sapien

<223> n = A, T, C or G

tgcagcggcc	gcccgggcag	gtggccaggc	catgttatgg	gatctcaacg	aaggcaaaca	60
cctttacaen	ctagatgggtg	gggacatcat	caacgccctg	tgcttcagcc	ctaaccgcta	120
ctggctgtgt	gctgccgcag	gccccagcat	caagatctgg	gatttanagg	gaaagatcnt	180
tgtnnatgaa	ctgaancnta	aattatcagt	tccannacca	ngcaaaaacc	acccngtgca	240
ctccctggcc	tggtctgctg	atgggacctc	gggcgcgaac	acgctnancc	caattccanc	300
acactgggcg	gncgttacta	ntggatccga	actcnggtac	caancttggc	gtt	353

<213> Homo sapien

$\langle 222 \rangle$  (1)  $\bar{1}$  (360)



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<210> 112
<211> 405
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G
```

```

<210> 113
<211> 401
<212> DNA
<213> Homo sapien

<400> 113
ggatagaaga gtatatgggt ttggcaccac ggggtggata ggcaaacat ttggttgata 60
aggcgcagat tctgaactaa cttgtaaggc ttgtctggtt ttaggacagg taaaatgggg 120
gaatggtaag gagagtttat aggttttagg agcccatgct gtagcaggca agtgataaca 180
ggctttaatc ctttcaaagc atgctgtggg atgagatatt ggcatttgag cggggtaagg 240
gtgattagggt tttaatgaga tggtaagggg tgcatgatcc ggtccgcaa ggaagggaa 300
tagagggtatc ttatacttgt ggggttaaag tgggggggat ataagaggga ggacgccaaa 360
ggagqctttg gattaggaat aaggggcggc aatgagatgc a 401

```

```

<210> 114
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(401)
<223> n = A,T,C or G

<400> 114
angtccacag gangcangag gccaggctcc gtcccancca gtccatgatg ttgaagagga      60
ggaagcagca catgggggtg aagaactgac tccacttccc aggactgggtg gagctgggtca      120
ccatggctgt ggtggcgggg aagacggaca gggtgacttc tggaagacag tgaagactga      180
agggttttcc ggcttctggg gctcatctgg ctctgattcc ggctccttct ccagggtcaag      240

```

```

atccagggtt cagagctact ttcttggggg actactnngg aatcccgttc tcatctgggg 300
gtngaggggg gacggggnaa gggncatgct tgtgaccag gtttcccacc tcggcccgcg 360
accacgctaa ggcccgaatt ncagcacact tggcgggccc t 401

```

```

<210> 115
<211> 401
<212> DNA
<213> Homo sapien

```

```

<400> 115
atccctgtaa gtctattaaa tgtaaataat acatacttta caacttctct tagtcggccc 60
ttggcagatt aaatccttgc aaaattccat atgtgctatt gaaaaatgaa ataaaacctc 120
agatgtctga attcttattt caaatacagt tatataatta ttttaaatta caatatacaa 180
tttctgttaa atacaactgt taagggttc tgagaacaat tataagatta taataatata 240
tacaaactaa cttctgaaat gacatgggtt gtttccttcc caccctccta ccctctcaaa 300
gagtttttgc atttgctgtt cctgggttgc aaaggcaaaa gaaaatctaa aaatagtctg 360
tgtgtgtcca cgacatgctc gtcctttga gaatctcaaa c 401

```

```

<210> 116
<211> 301
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(301)
<223> n = A,T,C or G

```

```

<400> 116
ngattttaatt gnnagcttct ttttaatgga atnnttggtt aaaatgaatt gatgattatg 60
aatatcccta ggaggagtta gcatggannn tgatcatttt cttnagnactc ctttangaca 120
nggaaacagg natcagcatg anggtanacan aaaccttatn accnangcgc acganctgac 180
ttcttccaaa gagttgnggt tccgggcagc ggtcattgcc gtgcccattg ctggagggtc 240
gattctagtg ntgcttatta tgctggccct gaggatgctt ccaanatgaa aataagangc 300
t 301

```

```

<210> 117
<211> 383
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

```

```

<400> 117
aattgcaact ggacttttat tgggcagtta cnacaacnaa tgttttcana aaaatatttg 60
gaaaaaatat accacttcat agctaagtct tacagagaan aggatttgct aataaaactt 120
aagttttgaa aattaagatg cnggtanagc ttctgaacta atgcccacag ctccaaggaa 180
nacatgtcct atttagttat tcaaatacca gttgagggca ttgtgattaa gcaaacaata 240
tatttgttan aactttgntt ttaaattact gntncttgac attacttata aaggagnctc 300
taactttcga tttctaaaac tatgtaatac aaaagtatan ntttcccat tttgataaaa 360
gggccnanga tactgantag gaa 383

```



gcttgcccg	cggtcgctag	ctcgctcggt	gcgcgtcgtc	ccgctccatg	gcgctcttcg	60
tgcggctgct	ggctctcgcc	ctggctctgg	ccctgggcc	cgccgcgacc	ctggcgggtc	120
ccgccaagtc	gccctaccag	ctggtgctgc	agcacagcag	gctccggggc	cgccagcacg	180
gccccaacgt	gtgtgctgtg	cagaagggtta	ttggcactaa	taggaagtac	ttcaccaact	240
gcaagcagtg	gtaccaaagg	aaaatctgtg	gcaaataaac	agtcatacgc	tacgagtgtc	300
gtcctggata	tgaaaagggtc	cctggggaga	agggctgtcc	agcagcccta	ccactctcaa	360
acctttacga	gacctgggga	gtcgttggat	ccaccaccac	tcagctgtac	acggaccgca	420

cggagaagct gaggcctgag atggagggggc ccggcagctt caccatcttc gcccttagca 480  
 acgaggcctg ggccctccttg ccagctgaag tgctggactc cctggtcagc aatgtcaaca 540  
 ttgagctgct caatgccctc cgctaccata tgggtgggcag gcgagtcctg actgatgagc 600  
 tgaaacacgg catgaccctc acctctatgt accagaattc caacatccag atccaccact 660  
 atcctaattg gattgttaact gtgaactgtg cccggctcct gaaagccgac caccatgcaa 720  
 ccaacggggg ggtgcacctc atcgataagg tcatctccac catcaccaac aacatccagc 780  
 agatcattga gatcgaggac acctttgaga cccttcgggc tgctgtggct gcatcagggc 840  
 tcaacacgat gcttgaagggt aacggccagt acacgctttt ggccccgacc aatgaggcct 900  
 tcgagaagat ccctagttag actttgaacc gtatcctggg cgacccagaa gccctgagag 960  
 acctgctgaa caaccacatc ttgaagtcag ctatgtgtgc tgaagccatc gttgcggggc 1020  
 tgtctgtaga gacctggag ggcacgacac tggaggtggg ctgcagcggg gacatgctca 1080  
 ctatcaacgg gaaggcgatc atctccaata aagacatcct agccaccaac ggggtgatcc 1140  
 actacattga tgagctactc atcccagact cagccaagac actatttgaa ttggctgcag 1200  
 agtctgatgt gtccacagcc attgaccttt tcagacaagc cggcctcggc aatcatctct 1260  
 ctggaagtga gcggttgacc ctctgggctc ccctgaattc tgtattcaaa gatggaacct 1320  
 ctccaattga tgcccataca aggaatttgc ttcggaacca cataattaa gaccagctgg 1380  
 cctctaagta tctgtaccat ggacagaccc tggaaactct gggcggcaaa aaactgagag 1440  
 tttttgttta tcgtaatagc ctctgcattg agaacagctg catcgcggcc cagacaaga 1500  
 gggggaggta cgggaccctg ttacgatgg accgggtgct gacccccca atggggactg 1560  
 tcatggatgt cctgaaggga gacaatcgct ttagctatct ggtagctgcc atccagtctg 1620  
 caggactgac ggagaccctc aaccgggaag gagctctacac agtctttgct cccacaaatg 1680  
 aagccttcgg agccctgcca ccaagagaac ggagcagact cttgggagat gccaaagAAC 1740  
 ttgccaacat cctgaaatac cacattggtg atgaaatcct ggtagcgga ggcatcgggg 1800  
 ccctggtgcg gctaaagtct ctccaagggtg acaagctgga agtcagcttg aaaaacaatg 1860  
 tggtagtggt caacaaggag cctgttgccg agcctgacat catggccaca aatggcgtgg 1920  
 tccatgtcat caccaatgtt ctgcagcctc cagccaacag acctcaggaa agaggggatg 1980  
 aacttgacga ctctgcgctt gagatcttca aacaagcatc agcgttttcc agggcttccc 2040  
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 ttgaagcact acaggaggaa tgcaccacgg cagctctccg ccaatttctc tcagatttcc 2160  
 acagagactg tttgaatgtt ttcaaaacca agtatcacac tttaatgtac atggggccgca 2220  
 ccataatgag atgtgagcct tgtgcatgtg ggggaggagg gagagagatg tactttttaa 2280  
 atcatgttcc ccctaaacat ggctgttaac ccaactgcat cagaaacttg gatgtcactg 2340  
 cctgacattc acttccagag aggacctatc ccaaatgtgg aattgactgc ctatgccaa 2400  
 tccctggaaa aggagcttca gtattgtggg gctcataaaa catgaatcaa gcaatccagc 2460  
 ctcattggaa gtccctggcag agtttttgta aagcccttgc acagctggag aatggcatc 2520  
 attataagct atgagttgaa atgttctgtc aaatgtgtct cacatctaca cgtggcttgg 2580  
 aggcctttat ggggccctgt ccaggtagaa aagaaatggt atgtagagct tagatttccc 2640  
 tattgtgaca gagccatggt gtgtttgtaa taataaaacc aaagaaacat a 2691

<210> 122

<211> 683

<212> PRT

<213> Homo sapien

<400> 122

Met Ala Leu Phe Val Arg Leu Leu Ala Leu Ala Leu Ala Leu Ala Leu  
 1 5 10 15  
 Gly Pro Ala Ala Thr Leu Ala Gly Pro Ala Lys Ser Pro Tyr Gln Leu  
 20 25 30  
 Val Leu Gln His Ser Arg Leu Arg Gly Arg Gln His Gly Pro Asn Val  
 35 40 45  
 Cys Ala Val Gln Lys Val Ile Gly Thr Asn Arg Lys Tyr Phe Thr Asn  
 50 55 60  
 Cys Lys Gln Trp Tyr Gln Arg Lys Ile Cys Gly Lys Ser Thr Val Ile



```
<210> 123
<211> 1205
<212> DNA
<213> Homo sapien
```

$\langle 210 \rangle$	124
$\langle 211 \rangle$	583

<213> Homo sapien

cgaagaagca	gtggccttat	tgcattccaa	accacgcctc	ttgaccaggc	tgcctccctt	60
gtggcagcaa	cggcacagct	aattctactc	acagtgcctt	taagtgaaaa	tggctcgagaa	120
agaggcacca	ggaagccgtc	ctggcgcttg	gcagtccgtg	ggacgggatg	gttctggctg	180
tttgagattc	tcaaaggagc	gagcatgtcg	tggacacaca	cagactatct	ttagattttc	240
ttttgccttt	tgcaaccagg	aacagcaaat	gcaaaaactc	tttgagaggg	taggaggggtg	300
ggaaggaaac	aacctgttca	tttcagaagt	tagtttgtat	atattattat	aattctataa	360
ttgttctcag	aattccctta	cagttgtatt	taacagaaat	tgtatattgt	aattttaaatt	420
aattatataa	ctgtatttga	aataagaatt	cagacatctg	aggtttttatt	tcattttttca	480
atagcacata	tgggaattttg	caaagattta	atctgccaa	ggccgactaa	gagaagttgt	540
aaagtattga	ttattttacat	ttaatagact	tacagggata	agg		583

<213> Homo sapien

tcaaccatac	atactgcttc	cactagctaa	taccaaagtc	aggttctcag	atccagacaa	60
atggaggaaa	agaacattta	tgcttccgtt	tcagaaagcc	aagtcgtagt	tttggccctt	120
ccttttctcta	aagtttattc	ccaaaaacag	gtagcattcc	tgattgggca	gagaagagga	180
tattttcagc	ccacatctgc	tgcaggtatg	tcattttctc	ccatcttcac	tgtgactagt	240
aaagatctca	ccacttctct	ttggaatttc	caactttgct	tgtgattgaa	tgtcacttcg	300
tgaatttgta	ttatgtcaga	tcacttgcca	ttgctcttcc	atatgcatca	agttgccagg	360
cactgttgcg	ctgtcggggc	cactggaatc	cacgggggtg	aaacaaattc	aattatgctt	420
ttacagatcc	tgctcaaaaa	aggtttcaac	tgcttaacca	agtacagctc	attcttccac	480
cttcttactc	tgcaacccaa	ccaagtgcc	catactacag	gtaggtgccg	agaaattccg	540
cagcagaaaa	tccaaaatca	tttctgaaac	ctccttgcta	acaaaagttc	tttttttctc	600
caaacagcat	ataaaatgat	caagtcctga	aagagaaaa	aagcaaagta	gcaaatacat	660
caacaattca	ctatcagaaa	cacataaaat	cccagagaga	gagaaggcag	tatctctgaa	720
tcatggatgg	acttggaag	ttcggaagga	ttccgagtgc	ttcctttcag	aaagacaatt	780
ctg						783

<213> Homo sapien

cctgctagaa	tcactgccgc	tgtgctttcg	tggaaatgac	agttccttgt	tttttttgtt	60
tctgtttttg	ttttacatta	gtcattggac	cacagccatt	caggaactac	cccctgcccc	120
acaaagaaat	gaacagttgt	agggagaccc	agcagcacct	ttcctccaca	caccttcatt	180
ttgaagttcg	ggtttttgtg	ttaaagttaa	tctgtacatt	ctgtttgcc	ttgttacttg	240
tactatacat	ctgtatatag	tgtacggcaa	aagagtatta	atccactatc	tctagtgtt	300
gactttaaat	cagtacagta	cctgtacctg	cacggtcacc	cgctccgtgt	gtcgccctat	360
attgagggct	caagctttcc	cttgtttttt	gaaaggggtt	tatgtataaa	tatattttat	420
gccttttttat	tacaagtctt	gtactcaatg	acttttgtca	tgacattttg	ttctacttat	480
actgtaaaatt	atgcattata	aagagttcat	ttaaggaaaa	ttacttggt	caataattat	540
tgtaattaav	agatgtagcc	tttattaaaa	ttttatat	ttcaaaaaaa	aaaaaaaaaa	600
aaaa						604

<210> 127  
 <211> 417  
 <212> DNA  
 <213> Homo sapien

<400> 127  
 ctgagcctct gtcaccagag aaggctgagg cccaatggc acacctcaga aacctacacc 60  
 ccgaggctgg acggctggac tcctgagcac aagctccctc tcgcaccctt tgccagacag 120  
 tttgtctcca atttcaaact gacctaaaggc tcttactcct ggattttttg tttttaaac 180  
 ttctcccagc cagtcttcgg gagggcatga ttagagaagt gctcctttgc tgatggagga 240  
 ggggacctaa ggaagaagggt ggatcccagg tgctctctct ctaattgatc ctccccacct 300  
 agtttctctt gcctctcttc cttctaccag gtcatgtttt ttactctctg ccccttctgc 360  
 ctctagcat ttcaaaaact gtagagtgc cccatagtg gacattttta gtccagg 417

<210> 128  
 <211> 657  
 <212> DNA  
 <213> Homo sapien

<400> 128  
 ccacactgaa atgcagttta atgtggaac ttttctaaat acatattgta gcatctttgg 60  
 acatcaacgt gtggcctgaa atttttatta ttgttcctc ttctctcca ttaaaaaaaa 120  
 aatctccttg tggatattag tcattttacca ttaacacata ttatggctta aaaagggcca 180  
 tcccttcctt ttctgagctg gagttcttca cgctcacctt tgatgcatgg ccttagctgg 240  
 ttactttgcc ttggtttgg catgaacatt ggggttagtg gcctggcaac ttgaatgcat 300  
 atggaaagaa caatgccaa tgatctgaca taatacaaat tccgaagtga cattcaatca 360  
 caagcaaagt tggaaattcc aaagagaagt ggtgagatct ttactagtca cagtgaagat 420  
 gggagaaaat gacatacctg cagcagatgt gggctgaaaa tctctcttc tctgccaat 480  
 caggaatgct acctgttttt ggaataaac tttagagaaa ggaagggcca aaactacgac 540  
 ttggctttct gaaacggaag cataaatgtt ctttctctcc atttgtctgg atctgagaac 600  
 ctgcatttgg tattagctag tggaagcagt atgtatggtt gaagtgcatt gctgcag 657

<210> 129  
 <211> 1220  
 <212> DNA  
 <213> Homo sapien

<400> 129  
 cgcgtgctcg gctcacacca acaaggcaag ccaaaggcgc ccctcccag agggatccct 60  
 aacgtgcccc gcatgtagat tctggactaa cagacaacat acattcaccc ctggtcaccc 120  
 agatcctcat tcaaacccac tgctggcaca tccctttcct tactttgcc tgtgctacca 180  
 gccacggaag gagcctctct tgttttttct ataaaatggg taggcaggag aaaagcaggt 240  
 gccctaagat tgctctaagg cccagcatgt ggttacagtt ctctgacttg cagaacctgc 300  
 caggtgtatg gctacaagtt atcctcgtgc tgatctgtct cattactaag ttaatggaga 360  
 agacagaaa gtaaaaatca cgtgtagcaa gaacaactct tatttcacaa actcaggtat 420  
 gaaacgaaac gcctgtcctt catggaactg cttttagctc ctgtcttttc aaaatggcag 480  
 agggagttcc tacacacact ttttccctgg agggcaagggt ctaggggtag aaaggggagg 540  
 ggtggggcta ccaggtagca gttgacaacc caaggtcaga ggagtggccc tcagtgtcat 600  
 ctgtccacag tgatacctgc caagatgacc actgaaccac atctggtctt agtcattggt 660  
 ctctcagat ttctggggcc acctgcaagc cccattccat tcctacagat ctctcagcca 720  
 cctgtaagtc ctttgtgaag atgtgggtga cacaggggga caggaaaacc catttctcaa 780  
 cccagatcca tgtctccact gcttctactc tgggttggga ttcaggaaga caggcacagt 840  
 cctctctgtt catagaaaca cctgccagtg tcaaggattc cagtcagggtg tctatcccaa 900  
 ctggtcaggg agagaagggc agaccatttc tcaaagacca ccatgtccaa ggtctgacag 960

```
<210> 130
<211> 1274
<212> DNA
<213> Homo sapien
```

```
<210> 131
<211> 554
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 131
ctgtaattct gcctttttcta ccttcattcc atccttcctc tgcccagata aagkccagca      60
gaaattcctc cttttctacct ctctgggact ctgagacagg aaatcttcaa ggaggagttt      120
ttccctcccc actattctta ttctcaaccc ccagagggaac caaggctgct gtaccacact      180
cagggcacaga actccacact atagtgggaa agcttcaggg acccctcctt ttagtgctca      240
gggctcacct atgctacttg tccttttggc aaaaaaggaa aatgatatag ccagggttgc      300
ccctgatgta gcagccttac tgtggagggg ccaaagctgg tgttcagagc tcaccaagg      360
agggaggtga taagggtgtca tgcgttctgc tgaaccact gngtggtatg aacatgaggc      420
ttgggggtgag ggaaaccaag taggggttgg agaaggagca gcacctttgt macacctggc      480
```

```
<210> 132
<211> 787
<212> DNA
<213> Homo sapien
```

```
<210> 133
<211> 219
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(219)
<223> n = A,T,C or G
```

```
<210> 134
<211> 234
<212> DNA
<213> Homo sapien
```

<210>	135
<211>	414
<212>	DNA



<400> 135

<210> 136

<211> 461

<212> DNA

<213> Homo sapien

<400> 136

<210> 137

<211> 269

<212> DNA

<213> Homo sapien

<400> 137

atagcaaattg	gacacaaatt	acaaatgtgt	gtgctgtggga	cgaagacatc	tttgaagggtc	60
atgagtttgt	tagtttaaca	tcatatatatt	gtaatagtga	aacctgtact	caaaatataa	120
gcagcttgaa	actggcttta	ccaatcttga	aatttgacca	caagtgtctt	atatatgcag	180
atctaagtta	aaatccagaa	cttgactcc	atcggtaaaa	tattttatgt	gtaacattca	240
aatgtgtgca	ttaaataatc	ttccacagt				269

<210> 138

<211> 452

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (452)$ 
$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

<400> 138

ctccatggga	ggcaaaatat	agagaattta	tgggtgccca	ctcttatgta	atcactggac	60
taatcttccc	tggtaactat	gcaacatttg	gacagaaagg	cacacaaaaa	agtttaaata	120
tttcatgtgc	caatctggaa	aaaaataatt	taaatcaaca	gaacagacag	tacatctaca	180
caaatgtagc	aagcagaaaa	gatacctcac	attcatttat	ctcaggtttc	aaagtggctt	240
caatgctaaa	gtaaatgtat	tacaattttg	aaaatacaag	acaatttttt	tgtttgtttt	300

caatTTTTTT agctctatac aatgattaca acataagaca aaaaaaaaaa aaaaacacaa 360  
 aaaacaaaac aaaaaaggag ttcaggactt gttatcagtg tccaagtggc taanaactgg 420  
 ttcccataac aagcattgaa agttaaggcc cc 452

<210> 139  
 <211> 474  
 <212> DNA  
 <213> Homo sapien

<400> 139  
 tgtgcctcat tgaggttaca attgaaacag atgtgagcac ctgagagact ttccctgatt 60  
 atattcctcc acaaaccact gtaccatatt accttatttt atcttcttga aattcttatt 120  
 cattggcttg tttgttgtct ctttgcatta gatatatgta agtccttgg cataaatttg 180  
 acattggtag gggactgaca ttctaacctg gcccaggccc taggagagag ataactccac 240  
 aaagcagcac atactatctt aggttagcag ggagctaact caccatgtag cagatgaaaa 300  
 aaaccaaacc cagcactgtg cataaatacc acttgccaag aagtcaggtc ctcggaacc 360  
 gagaatcaac ctcagcacia acgcagggtg ctgggctctg ttccccctta gccaccacct 420  
 cagcctctcc cctccccctgc cccaagtgcc caagagcttg gctctctgtg cttt 474

<210> 140  
 <211> 487  
 <212> DNA  
 <213> Homo sapien

<400> 140  
 cttccctgcc tcgtgttctt gagaaacgga ttaatagccc tttatcccc tgcaccctcc 60  
 tgcaggggat ggcactttga gccctctgga gccctccctt tgctgagcct tactctcttc 120  
 agactttctg aatgtacagt gccgttggtt gggatttggt gactggaagg gaccaaggac 180  
 actgaccca agctgtcctg cctagcgtcc agcgtcttct aggagggttg ggtctgcctg 240  
 tcctggtgtg gttgggtttg ccctgtttgc tgtgactacc cccccccctc cccgaaccga 300  
 gggacggctg cttttgtctc tgccctcagat gccacctgcc ccgcccctgc tccccatcag 360  
 cagcatccag actttcagga agggcagggc cagccagtcc agaaccgcat ccctcagcag 420  
 ggactgataa gccatctctc ggaggggccc ctaataccca agtggagtct gggttcacacc 480  
 ctggggg 487

<210> 141  
 <211> 248  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(248)  
 <223> n = A,T,C or G

<400> 141  
 ttaaagatgg ggaaatgagg cctgnaaata gaaaagattt gcctagagtc acacacactg 60  
 tcaggtcagg tagagtcaaa atcaggcacc ccgactcaca gactgcttca cattgccatc 120  
 agagattgtc ctgcaacaat attatgttta gttctactgc agaatagataa ctggatctta 180  
 ccccttttgc ctgatctggc caciaaacttg tttttcaggt ctttccatta ggctctcttc 240  
 agctaatt 248

<210> 142  
 <211> 173

<212> DNA  
<213> Homo sapien

<400> 142  
tactaagatt gtcgaagcct ccctcttaaa actttctttc ccttttagagg aatcattact 60  
tcgtattaaa agtttctact tccttgtaga atatctacat ccaatgggcc atggcacaaa 120  
atttaagtct agaaagaatc ttaaaggctc atcttatagt aaccagagggc agg 173

<210> 143  
<211> 511  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(511)  
<223> n = A,T,C or G

<400> 143  
cctcgtcaga ggggtggttc ctggtnacct gtactccacg gacctcgggtg aagcaaaagc 60  
ttcagggcag aggggaatgag gcaacccagt ggcagccccg ctgggccccg tggctcctgc 120  
tctcctattg gacgtagagg caggggagag acttctctat acaaatattc tcatcacaga 180  
agggatgata cttgctgctc tgccgtaggg tttttgatgc tgagctatgc tgcacatgac 240  
gttaacctaa agaacttgga ctgagctttt aaaaaaggac agcaaacaat tttataatcc 300  
ttaaagtgtg atagacgggtt aactagtgc aggggtattgg ggaggctctt tgggtgtgga 360  
ggctgtcact tgtatttatt gtgactctaa atctttgata gtaaaacaaa tgtaaaaaga 420  
aatgtttgcc accagatggg aatagaagtt ccaataagca ggctggaatg ggtggctata 480  
cgttgtatca cgaggaagtt ttagactctg a 511

<210> 144  
<211> 190  
<212> DNA  
<213> Homo sapien

<400> 144  
cattcttctg tcacatgcca attcagttgt caatcccatt gtctatgctt accggaaccg 60  
agacttccgc tacacttttc acaaaattat ctccaggat cttctctgcc aagcagatgt 120  
caagagtggg aatggtcagg ctggggtaca gcctgctctc ggtgtgggcc tatgatctag 180  
gctctgcct 190

<210> 145  
<211> 169  
<212> DNA  
<213> Homo sapien

<400> 145  
gatgtgggta tctcctcaga tggccagttt gccctctcag gctcctggga tggaaacctg 60  
cgctctggg atctcacaac gggcaccacc acgaggcgat ttgtgggcca taccaaggat 120  
gtgctgagtg tggccttctc ctctgacaac cggcagattg tctctggat 169

<210> 146  
<211> 511  
<212> DNA  
<213> Homo sapien

003230" T.864960

<400> 146  
 atctagagaa gatttgggaa acacatgata gctatgggta aatacttaac agggcaatca 60  
 caggggaagat gactagattt cctaacatcc atgagtgaag tttatagaag tatactctct 120  
 gacttgatat aaagggaagat tttaaaaaac atgactgttc aggagtgttc aagtagggtc 180  
 agatgaccag tgattgggaa tacttcgtaa gcaggagcaa gtaagatctg agccactgtt 240  
 ctatcggtag ggtgtctgtg gtattccttg gtcaaagaag tactctaagc aacttcagtc 300  
 tcacgaatta ctatcacctt cgtgggcata catgatgggt accctaaaga ggaagtttca 360  
 gaaggcagta atattggatc ctggaatagt cagacaggag ccttcatgca gatacccttt 420  
 tcagttctcc atacacccat tcacaagtgg tcacaaaaac acccagtacc tttacttggc 480  
 tttaccact taacaatatg ctcaatatga g 511

<210> 147  
 <211> 421  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(421)  
 <223> n = A,T,C or G

<400> 147  
 gaccagttga gttcttcctg gctattgtat aatccacagc cacactgtga aagcaaatct 60  
 ggccagttag caacacaggg agaatctgcc tgaactgacc aaagggtgtc atacttcatg 120  
 tcagtgaagaa tttcacctcc atcatgttct aaagagccaa caacagattc tagggcactg 180  
 caaaatgctt cagcaattaa ttgaagttct gtttgagtac attcatcatc tttgagaatg 240  
 ctttctgggt cgttgtgagt cttgtgtctg atatatgcag ccaaagtgtt ttcagtacag 300  
 ccacctccca acaaagccca tgggttccttg agtggttaact gcaggacatg cagtgccgtc 360  
 tgacacgtga gcttcagctc atcccangca gtgtcatttc tgttgacagag aagccaagct 420  
 g 421

<210> 148  
 <211> 237  
 <212> DNA  
 <213> Homo sapien

<400> 148  
 acacaccact gttggccttc catctgggtt aagtcaactg tgagttagaaa ccgaagataa 60  
 cagttttgta ttcataatgg ccttttcata ctccaagtac ttttgagcac agagcctctt 120  
 gcttctgacc tggcacttgg aacacagata tatatatctt ttgttctgtc cctgggaaac 180  
 tgatatttgt gtaagacaac caccagatat tttctotaat aaaatcttct aaaatta 237

<210> 149  
 <211> 168  
 <212> DNA  
 <213> Homo sapien

<400> 149  
 agagaaagtt aaagtgcaat aatgtttgaa gacaataagt ggtgggtgtat cttgtttcta 60  
 ataagataaa cttttttgtc tttgttttat cttattaggg agttgtatgt cagtgtataa 120  
 aacatactgt gtggtataac aggcttaata aattctttaa aaggagag 168

<210> 150



&lt;400&gt; 153

gaattcggca	cgaggtggct	cagatgtcca	ctactgggag	tatggtcgaa	ttgggaattt	60
tattgtgaaa	aagcccatgg	tgctgggaca	tgaagcttcg	ggaacagtcg	aaaaagtggg	120
atcatcggta	aagcacctaa	aaccagggtga	tcgtgttgcc	atcgagcctg	gtgctccccg	180
agaaaatgat	gaattctgca	agatgggccg	atacaatctg	tcaccttcca	tcttcttctg	240
tgccgcgccc	cccgatgacg	ggaacctctg	ccggttctat	aagcacaatg	cagccttttg	300
ttacaagctt	cctgacaatg	tcacctttga	ggaaggcgcc	ctgatcgagc	cactttctgt	360
ggggatccat	gcctgcagga	gaggcggagt	tacctgggga	cacaagggtcc	ttgtgtgtgg	420
agctgggcca	atcgggatgg	tcactttgct	cgtggccaaa	gcaatgggag	cagctcaagt	480
agtgtgact	gatctgtctg	ctacccgatt	gtc			513

&lt;210&gt; 154

&lt;211&gt; 507

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(507)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 154

ggcacgagct	cgtgccgaat	tcggcncgag	cagacacaat	ggtaagaatg	gtgcctgtcc	60
tgctgtctct	gctgtgtctt	ctgggtcctg	ctgtccccc	ggagaaccaa	gatggtcggt	120
actctctgac	ctatatctac	actgggctgt	ccaagcatgt	tgaagacgtc	cccgcgtttc	180
aggcccttgg	ctcactcaat	gacctccagt	tctttagata	caacagtaaa	gacaggaagt	240
ctcagcccat	gggactctgg	agacagggtg	aagggaatgga	ggattggaag	caggacagcc	300
aacttcagaa	ggccaggagg	gacatcttta	tggagaccct	gaaagacatc	gtggagtatt	360
acaacgacag	taacgggtct	cacgtattgc	aggggaagggt	tggttgtgag	atcgagaata	420
acagaagcag	cggagcattc	tggaaatatt	actatgatgg	aaaggactac	attgaattca	480
acaaagaaat	cccagcctgg	gtccccct				507

&lt;210&gt; 155

&lt;211&gt; 507

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(507)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 155

ggcacgagga	gacctaaagg	ctgagtntcg	ggaacaggag	aaagctctgt	tggccctcca	60
gcagcagtgt	gctgagcagg	cacaggagca	tgaggtggag	accagggccc	tgcaggacag	120
ctggctgcag	gcccaaggcag	tgctcaagga	acgggaccag	gagctggaag	ctctgcgggc	180
agaaagtcat	tcctcccggc	atcaggagga	ggctgcccgg	gccccgggctg	aggctctgca	240
ggaggccctt	ggcaaggctc	atgctgccct	gcaggggaaa	gagcagcatc	tcctcgagca	300
ggcagaattg	agccgcagtc	tggaggccag	cactgcaacc	ctgcaagcct	ccctggatgc	360
ctgccaggca	cacagtcggc	agctggagga	ggctctgagg	atacaagaag	gtgagatcca	420
ggaccaggat	ctccgatacc	aggaggatgt	gcagcagctg	cagcaggcac	ttgccagag	480
ggatgaagag	ctgagacatc	agcagga				507

&lt;210&gt; 156

<211> 509  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(509)  
 <223> n = A,T,C or G

<400> 156  
 ggcacgagga cagagagaac cctgtngaaa gagcgttacc aggaggtcct ggacaaacag 60  
 aggcaagtgg agaatacagct ccaagtgcaa ttaaagcagc ttcagcaaag gagagaagag 120  
 gaaatgaaga atcaccagga gatattaaag gctattcagg atgtgacaat aaagcgggaa 180  
 gaaacaaaga agaagataga gaaagagaag aaggagtttt tgcagaagga gcaggatctg 240  
 aaagctgaaa ttgagaagct ttgtgagaag ggcagaagag aggtgtggga aatggaactg 300  
 gatagactca agaatacagga tggcgaaata aataggaaca ttatggaaga gactgaacgg 360  
 gcctggaagg cagagatctt atcactagag agccggaaag agttactggt actgaaacta 420  
 gaagaagcag aaaaagaggc agaattgcac cttacttacc tcaagtcaac tcccccaaca 480  
 ctggagacag ttcgttccaa acaggagtg 509

<210> 157  
 <211> 507  
 <212> DNA  
 <213> Homo sapien

<400> 157  
 ggcacgaggg cagccctcct accggcgcac gtggtgccgc cgctgctgcc tcccgtctgc 60  
 cctgaacca gtgcctgcag ccatggctcc cggccagctc gccttattta gtgtctctga 120  
 caaaaccggc cttgtggaat ttgcaagaaa cctgacogct cttggtttga atctggctgc 180  
 ttccggaggg actgcaaaaag ctctcagggg tgctgggtctg gcagtcagag atgtctctga 240  
 gttgacggga tttcctgaaa tgttgggggg acgtgtgaaa actttgcac ctgcagtcca 300  
 tgctggaatc ctagctcgta atattccaga agataatgct gacatggcca gacttgattt 360  
 caatcttata agagttgttg cctgcaatct ctatcccttt gtaaagacag tggcttctcc 420  
 aggtgtaagt gttgaggagg ctgtggagca aattgacatt ggtggagtaa ccttactgag 480  
 agctgcagcc aaaaaccacg ctcgagt 507

<210> 158  
 <211> 507  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(507)  
 <223> n = A,T,C or G

<400> 158  
 ggcacgagtc gagctgtgcc tattcgngtc aatccaagag tgagtaatgt gaagtctgtc 60  
 tacaaaaccc acattgatgt cattcattat cggaaaacgg atgcaaaacg tctgcatggc 120  
 cttgatgaag aagcagaaca gaaacttttt tcagagaaac gtgtggaatt gcttaaggaa 180  
 ctttccagga aaccagacat ttatgagagg cttgcttcag ccttggctcc aagcatttat 240  
 gaacatgaag atataaagaa ggggaattttg cttcagctct ttggcgggac aaggaaggat 300  
 tttagtcaca ctggaagggg caaatttcgg gctgagatca acatcttgct gtgtggcgac 360  
 cctggtacca gcaagtccca gctgctgcag tacgtgtaca acctcgtccc cagggggccag 420

tacacgtntg ggaagggctc cagtgcantt ggcctnactg cntacgtaat gaaagaccct 480  
gagacaaggn anctggnnct gnnacag 507

<210> 159  
<211> 508  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)... (508)  
<223> n = A,T,C or G

<400> 159  
ggcacnanaa accaggatta tggtnnggat ccaaagattg ctaatgcaat aatgaaggca 60  
gcagatgagg tagctgaagg taaattaaat gatcattttc ctctcgtggg atggcagact 120  
ggatcaggaa ctacagacaaa tatgaatgta aatgaagtca ttagcaatag agcaattgaa 180  
atgttaggag gtgaacttgg cagcaagata cctgtgcac ccaacgatca tgtaataaaa 240  
agccagagct caaatgatac ttttcccaca gcaatgcaca ttgctgctgc aatagaagtt 300  
catgaagtac tgttaccagg actacagaag ttacatgatg ctcttgatgc aaaatccaaa 360  
gagtttgcac agatcatcaa gattggacgt actcactc aggatgctgt tccacttact 420  
cttgggcagg aatttagtgg ttatgttcaa caagtaaaat atgcaatgac aagaataaaa 480  
gctgccatgc caagaatcta tgagctcg 508

<210> 160  
<211> 508  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)... (508)  
<223> n = A,T,C or G

<400> 160  
ggcacgagct tggagcaaag tcactctnaag gaattagagg acacacttca ggtagggcac 60  
atacaagagt ttgagaagggt tatgacagac cacagagttt ctttgaggga attaaaaaag 120  
gaaaaccaac aaataattaa tcaaatataa gaatctcatg ctgaaattat ccaggaaaaa 180  
gaaaaacagt tacaggaatt aaaactcaag gtttctgatt tgtcagacac gagatgcaag 240  
ttagagggtt aacttgctgt gaaggaagca gaaactgatg aaataaaaaat tttgctggaa 300  
gaaagcagag cccagcagaa ggagaccttg aaatctcttc ttgaacaaga gacagaaaaat 360  
ttgagaacag aaattagtaa actcaaccaa aagattcagg ataataatga aaattatcag 420  
gtgggcttag cagagctaag aactttaatg acaattgaaa aagatcagtg tatttccgag 480  
ttaattagta gacatgaaga agaactcta 508

<210> 161  
<211> 507  
<212> DNA  
<213> Homo sapien

<400> 161  
ggcacgagcg ctaccggcgc ctctctctgc gccactgagc cggagccggc ctgagcagcg 60  
ctctcggttg cagtaccacac tgggaaggact taggcgctcg cgtggacacc gcaagcccct 120  
cagtagcctc ggcccaagag gcctgctttc cactcgctag ccccgccggg ggtccgtgtc 180



```

ctgtctcggg ggccggaccc gggcccagag ccgagcagta gccggcgcca tgtcgggtgg 240
gggcatagac ctgggcttcc agagctgcta cgtcgctgtg gcccgcgccg gcggcatcga 300
gactatcgct aatgagtata gcgaccgctg cacgccggct tgcatttctt ttggtcctaa 360
gaatcggtca attggagcag cagctaaaag ccaggtaatt tctaatagcaa agaacacagt 420
ccaaggattt aaaagattcc atggccgagc attctctgat ccatttgtgg aggcagaaaa 480
atctaaccctt gcatatgata ttgtgca 507

```

```

<210> 162
<211> 507
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G

```

```

<400> 162
ggcacgagca gctgtgcacc gacatgntct cagtgtcctg agtaagacca aagaagctgg 60
caagatcctc tctaataatc ccagcaaggg actggccctg ggaattgcca aagcctggga 120
gctctacggc tcacccaatg ctctggtgct actgattgct caagagaagg aaagaaacat 180
atttgaccag cgtgccatag agaatgagct actggccagg aacatccatg tgatccgacg 240
aacatttgaa gatatctctg aaaaggggtc tctggaccaa gaccgaaggc tgtttgtgga 300
tggccaggaa attgctgtgg ttacttccg ggatggctac atgcctcgtc agtacagtct 360
acagaattgg gaagcacgtc tactgctgga gaggtcacat gctgccaaagt gccagacat 420
tgccaccag ctggctggga ctaagaaggc gcagcaggag ctaagcaggc cgggcatgct 480
ggagatgttg ctccctggcc agcctga 507

```

```

<210> 163
<211> 460
<212> DNA
<213> Homo sapien

```

```

<400> 163
ggcacgagaa ataactttat ttcattgtgg gtcgcggttc ttgtttgtgg atcgctgtga 60
tcgtcacttg acaatgcaga tcttcgtgaa gactctgact ggtaagacca tcaccctcga 120
ggttgagccc agtgacacca tcgagaatgt caaggcaaag atccaagata aggaaggcat 180
ccctcctgac cagcagaggc tgatctttgc tggaaaacag ctggaagatg ggcgcaccct 240
gtctgactac aacatccaga aagagtccac cctgcacctg gtgctccgtc tcagagggtg 300
gatgcaaate ttctgaaga cactcactgg caagaccatc acccttgagg tggagcccag 360
tgacaccatc gagaacgtca aagcaaagat ccaggacaag gaaggcattc ctctgacca 420
gcagagggtt atctttgccg gaaagcagct ggaagatggg 460

```

```

<210> 164
<211> 462
<212> DNA
<213> Homo sapien

```

```

<400> 164
ggcacgagcc ggatctcatt gccacgcgcc cccgacgacc gcccgacgtg cattcccgat 60
tccttttggg tccaagtcca atatggcaac tctaaaggat cagctgattt ataattctct 120
aaaggaagaa cagaccccc agaatgaagat tacagttggt ggggttggtg ctgttggcat 180
ggcctgtgcc atcagtatct taatgaagga cttggcagat gaacttgctc ttgttgatgt 240
catcgaagac aaattgaagg gagagatgat ggatctccaa catggcagcc ttttccttag 300

```

```

aacaccaaag attgtctctg gcaaagacta taatgtaact gcaaactcca agctgggcat 360
tatcacggct ggggcacgct agcaagaggg agaaagccgt ctttaatttg tccagcgtaa 420
cgtgaacatc tttaaattca tcattcctaa tgttgtaaaa ta 462

```

```

<210> 165
<211> 462
<212> DNA
<213> Homo sapien

```

```

<400> 165
ggcacgagga agccatgagc agcaaagtct ctgcgcgacac cctgtacgag gcggtgcggg 60
aagtcctgca cgggaaccag cgcaagcgcc gcaagttcct ggagacgggt gagttgcaga 120
tcagcttgaa gaactatgat ccccagaagg acaagcgctt ctcgggcacc gtcaggctta 180
agtccactcc ccgcccctaag ttctctgtgt gtgtcctggg ggaccagcag cactgtgacg 240
aggctaaggc cgtggatata cccacatgg acatcgaggc gctgaaaaaa ctcaacaaga 300
ataaaaaact ggtcaagaag ctggccaaga agtatgatgc gtttttggcc tcagagtctc 360
tgatcaagca gattccacga atcctcggcc caggttttaa taaggcagga aagttccctt 420
ccctgctcac acacaacgaa aacatggtgg ccaaagtgga tg 462

```

```

<210> 166
<211> 459
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

```

```

<400> 166
ggcacgagag ggacctgtnt gaatggntcc actagggtn anntgnctct tacttttaac 60
cantnaaata gacctgcccg tgaanangcg ggcntgacac annaanacga gaagacccta 120
tggagcttta atttattaat gcanacagna cctaacaaac ccacangtcc taaactacca 180
agcctgcatt aaaaatttcg gntggggcna cctcnnagca naacccaacc tccgagcaac 240
tcatgctaag acttcaccag tcaaagctga actactatac tcaattgatc caataacttg 300
accaacagan caagntaccc tagggataac ancacaatcc tattctagac cccttatnac 360
caatangntt tacacctcna tngnggaacc aggacatccg atgggggcagn cgttattaaa 420
gttngttgnt aacnataaag tctacgtgat ctgagttag 459

```

```

<210> 167
<211> 464
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(464)
<223> n = A,T,C or G

```

```

<400> 167
gaattgggac caacganaan cntgcggntc ttnttttgcn tccanngccc agctnattgc 60
tcagacacac atgggggaagg tnaaggtcgg gagtcaacng atttggtngt attgnagcgt 120
ttggtcacca gngctgcttt taactctggg aaagtggata ttgttgatcat naatgacccc 180
tncattgacc tnaactacat ggtttacatg ttccaatatg attccaccca tggcaaattc 240

```

catngcaccg tnaaggctga gaacgggaag cttgtnatca atggaaatcc catcaccatc 300  
 tttcangaac ganatccntn caaaaatcaa anttgggggc gatgcttggc cncctgaagt 360  
 accgttcaan gggaannncc ccactttggc cgntntttnc aancecacc caatttgggn 420  
 aaaaaaaaag gggnnnttgg ggggggggcct tttanntttt tttt 464

<210> 168  
 <211> 462  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(462)  
 <223> n = A,T,C or G

<400> 168  
 ggcacgaggn nnaacctnecg gggctggggc agcacgcctt gngcaancct gcaactgcact 60  
 gaagaccccg tgccggaagc cgngggcngc nacatgcagn aactgaacca gctgggcgcg 120  
 cancagttct cagacctgac agagggtgctt ttacacttcc taactgatcc anantangtg 180  
 gaaatatnt tngttnatnt catntgaatn atccancnc aatcatancc nntttnattn 240  
 cctcataanc nttgagaana gcnnccctnt gnttncanan ggtgctntga anangagtct 300  
 cacangcaan cagggtccaag cggatttntt aactntgggt cttantgang agaaagncac 360  
 ttacttttct gaaancngga agcagaatgc tcccaccctt gctcgatggg ccatacgtea 420  
 agactctgat gattaaccag ctttanatat ggcacnggaa tt 462

<210> 169  
 <211> 460  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(460)  
 <223> n = A,T,C or G

<400> 169  
 ggcacgaggg acagcagacn agacagtcac agcagccttg acaaaacggt cctggaactc 60  
 aagntcttnt ncncaaagga ggacagagca nacagcagag accatggant ctncctcggc 120  
 ccctccccac agatgggtgca tcccctggca naggtccttg ctcacagcct cacttctaac 180  
 cttctggaac ccgcccacca ctgccaaagt cactattgaa tccacgcggt tcaatgnntc 240  
 ntaggggaag gagnggcttt ctactnttnc acaatctgan ccccttcttn tttggttact 300  
 ancatggctc tncatgtnaa aatactgnaa tggntaacct gtcaaattta taggnantnt 360  
 gctaattggg aaactnccnn tngtctaccc caggggnccc agattcctnn gttncataa 420  
 cnattaattt aaccctaata gncaancct tngttaaaga 460

<210> 170  
 <211> 508  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(508)  
 <223> n = A,T,C or G

<400> 170  
ggcacgaggg ggatttttag gtggtcnggt gtggtatcag gaataatgtg ggaggccaga 60  
ttgaagtcca ggccaggaac aatggtaatt gtgggactta agaaagtgtg agtacagctg 120  
aatgagccgg ggagcagaaa gtatatgcgt cagggtatgag gaagaaaata gattttggaa 180  
gttatgagaa atgtagagag tgagttgagc atagtttgtg attttgaggg cctctaacag 240  
tattaaagca gcggcagcgg ctgcacacag acatgatggc taggctaaaa caggaaggtc 300  
aagttgtttg gacagaaagg ctacaggggtg cagtcctggc tcttgtgtaa gaattctgac 360  
cacactaacc atgcctagga aggaaaggag ttgttctttt gtaagggatt gaggtttggg 420  
agattaatcg gacacgatca gcaggagag cacctgtgtt tttatgagaa ttatgctgag 480  
ataggaaca gatgaggatg aaatttgg 508

<210> 171  
<211> 507  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(507)  
<223> n = A,T,C or G

<400> 171  
ggcacgagac cagccactag cgcagnctcg agcgatggcc tatgtccccg caccgggcta 60  
ccagcccacc tacaaccoga cgctgcctta ctaccagccc atcccgggcg ggctcaacgt 120  
gggaatgtct gtttacatcc aaggagtggc cagcgagcac atgaagcggg tcttcgtgaa 180  
ctttgtggtt gggcaggatc cgggctcaga cgctgccttc cacttcaatc cgcggtttga 240  
cggctgggac aaggtggtct tcaacacggt gcagggcggg aagtggggca gcgaggagag 300  
gaagaggagc atgcccttca aaaagggtgc cgcctttgag ctggtcttca tagtcctggc 360  
tgagcactac aaggtggtgg taaatggaaa tcccttctat gagtacgggc accggcttcc 420  
cctacagatg gtcaccacc tgcaagtgga tggggatctg caacttcaat caatcaactt 480  
catcggaggc cagccctcc ggcccca 507

<210> 172  
<211> 409  
<212> DNA  
<213> Homo sapien

<400> 172  
ggcacgagct ggagtgtctg ctgccacccc ctgctcctct gcagaaatgt ctgtcaccta 60  
cgatgactct gtgggagtgg aagtgtccag cgacagcttc tgggaggttg ggaactacaa 120  
acggactgtg aagcggattg acgatggcca cgcctgtgt ggtgacctca tgaactgtct 180  
gcatgagcgg gcacgcatcg agaaggcgta tgcacagcag ctactgagt gggcccgacg 240  
ctggaggcag ctggtagaga agggaccaca gtatgggacc gtggagaagg cctggatagc 300  
tgtcatgtct gaagcagaga gggtagtgta actgcacctg gaagtgaagg catcactgat 360  
gaatgaagac tttgagaaga tcaagaactg gcagaaggaa gcctttcac 409

<210> 173  
<211> 409  
<212> DNA  
<213> Homo sapien

<400> 173  
ggcacgaggg cagctagagg aagagtccaa ggccaagaac gcactggccc acgccctgca 60

```
<210> 174
<211> 407
<212> DNA
<213> Homo sapien
```

```
<210> 175
<211> 407
<212> DNA
<213> Homo sapien
```

```
<210> 176
<211> 409
<212> DNA
<213> Homo sapien
```

```
<210> 177
<211> 408
<212> DNA
<213> Homo sapien
```

gggacgagggc gggacagggc gaagcggcct gcgcccacgg agcgcgcgac actgcccgga 60  
agggaccggc acccttgccc cctcagctgc ccaactcgtga ttccagcgg cctccgcgcg 120

cgcacgatgc cctcggccac cagccacagc gggagcggca gcaagtcgtc cggaccgcca 180  
 ccgccgtcgg gttcctccgg gagtgaggcg gccgcgggag ccggggccgc cgcgccggct 240  
 tctcagcacc ccgcaaccgg caccggcgct gtccagaccg aggccatgaa gcagattctc 300  
 ggggtgatcg acaagaaact tcggaacctg gagaagaaaa agggtaagct tgatgattac 360  
 caggaacgaa tgaacaaagg ggaaaggctt aatcaagatc agctggatgc c 411

<210> 182

<211> 411

<212> DNA

<213> Homo sapien

<400> 182

ggcacgagcc gacatggagc tgttcctcgc gggccgcggg gtgctggtca ccggggcagg 60  
 caaagggtata gggcgcggca cgggtccaggc gctgcacgcg acggggcgcg ggggtggtggc 120  
 tgtgagccgg actcaggcgg atcttgacag ccttgtcgcg gagtgcccg gtagagaacc 180  
 cgtgtgcgtg gacctgggtg actgggaggc caccgagcgg gcgctgggca gcgtggggcc 240  
 cgtggacctg ctggtgaaca acgccgctgt cgccctgctg cagcccttcc tggaggctcac 300  
 caaggaggcc tttgacagat cctttgagggt gaacctgcgt gcggtcatcc aggtgtcgca 360  
 gattgtggcc aggggcttaa tagcccgggg agtcccaggg gccatcgtga a 411

<210> 183

<211> 409

<212> DNA

<213> Homo sapien

<400> 183

ggcacgagcc tacactctgg ccagagatac cacagtcaaa cctggagcca aaaaggacac 60  
 aaaggactct cgacccaaac tgccccagac cctctccaga ggttgggggtg accaactcat 120  
 ctggactcag acatatgaag aagctctata taaatccaag acaagcaaca aacccttgat 180  
 gattattcat cacttggtat agtgcccaca cagtcaagct ttaaagaaag tgtttgctga 240  
 aaataaagaa atccagaaat tggcagagca gtttgtcctc ctcaatctgg tttatgaaac 300  
 aactgacaaa cacctttctc ctgatggcca gtatgtcccc aggattatgt ttgttgacct 360  
 atctctgaca gttagagccg atatcactgg aagatattca aatcgtctc 409

<210> 184

<211> 410

<212> DNA

<213> Homo sapien

<400> 184

ggcacgaggt cattccagca ccaacaggat ccaagccaga ttgattgggc tgcattggcc 60  
 caagcttggg ttgcccagg agaagcttca ggacagcaaa gcatggtaga acaaccacca 120  
 ggaatgatgc caaatggaca agatatgtct acaatggaat ctggtccaaa caatcatggg 180  
 aatttccaag gggattcaaa cttcaacaga atgtggcaac cagaatgggg aatgcatcag 240  
 caacccccac acccccctcc agatcagcca tggatgccac caacaccagg cccaatggac 300  
 attgttcctc cttctgaaga cagcaacagt caggacagtg ggggaatttg ccctgacaac 360  
 aggcataatat ttaaccagaa caatcacaac tttggtggac cacccgataa 410

<210> 185

<211> 411

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature  
 <222> (1)...(411)  
 <223> n = A,T,C or G

<400> 185  
 ggcacgagca cagatgtagt tttctctgcg cgtgtgcggtt ttccctcctc ccccgccctc 60  
 aggggccacg gccaccatgg cgtattaggg gcagcagtg ctcgggcagc attggccttt 120  
 gcagcggcgg cagcagcacc aggtcttgca gcggcaaccc ccagcggctt aagccatggc 180  
 gcttctcacg gcattcagca gcagcgttgc tgaaccgac aaagacacct tcgaattaag 240  
 cacattcctc gattccagca aagcaccgca acatgaccga aatgagcttc ctgagcagcg 300  
 aggtgttggt gggggacttg atgtccccct tcgaccgctc ggggtttgggg gctgaagaaa 360  
 gcctangtct cttagatgat tacctggagg tggccaagca cttcaaacct c 411

<210> 186  
 <211> 410  
 <212> DNA  
 <213> Homo sapien

<400> 186  
 ggcacgagct tctagtcccg ccatggccgc tctcaccggg gacccccagt tccagaagct 60  
 gcagcaatgg taccgcgagc accgctccga gctgaacctg cgcgcctct tcgatgccaa 120  
 caaggaccgc ttcaaccact tcagcttgac cctcaacacc aacctggggc atatcctggt 180  
 ggattactcc aagaacctgg tgacggagga cgtgatgcgg atgctggtgg acttgccaa 240  
 gtccaggggc gtggaggccg cccgggagcg gatgttcaat ggtgagaaga tcaactacac 300  
 cgagggtcga gccgtgctgc acgtggctct gcggaaccgg tcaaacacac ccatcctggt 360  
 agacggcaag gatgtgatgc cagagggtcaa caaggttctg gacaagatga 410

<210> 187  
 <211> 506  
 <212> DNA  
 <213> Homo sapien

<400> 187  
 ctttcgtggc tcaactccctt tcctctgctg ccgctcggtc acgcttgtgc ccgaaggagg 60  
 aaacagtgc agacctggag actgcagttc tctatccttc acacagctct ttcaccatgc 120  
 ctggatcact tcctttgaat gcagaagctt gctggccaaa agatgtggga attgttgccc 180  
 ttgagatcta ttttccttct caatatgttg atcaagcaga gttggaaaaa tatgatggtg 240  
 tagatgctgg aaagtatacc attggcttgg gccaggccaa gatgggcttc tgcacagata 300  
 gagaagatat taactctctt tgcattgactg tgggttcagaa tcttatggag agaaataacc 360  
 tttcctatga ttgcattggg cggctggaag ttggaacaga gacaatcatc gacaaatcaa 420  
 agtctgtgaa gactaatttg atgcagctgt ttgaagagtc tgggaataca gatatagaag 480  
 gaatcgacac aactaatgca tgctat 506

<210> 188  
 <211> 506  
 <212> DNA  
 <213> Homo sapien

<400> 188  
 gccacagagg cggcggagag atggccttca gcggttccca ggctccctac ctgagtcacg 60  
 ctgtcccttt ttctgggact attcaaggag gtctccagga cggacttcag atcactgtca 120  
 atgggaccgt tctcagctcc agtggaaacca ggtttgctgt gaactttcag actggcttca 180  
 gtggaaatga cattgccttc cacttcaacc ctcggtttga agatggaggg tacgtggtgt 240  
 gcaacacgag gcagaacgga agctgggggg ccgaggagag gaagacacac atgcctttcc 300

003230" T.864960



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<210> 189
<211> 399
<212> DNA
<213> Homo sapien

<400> 189
ctggacagga gaagagcctg gctgctgaag gcagggctga caccgaccacg ggcagcattg 60
ctggagcccc agaggatgaa agatcgcaga gcacagcccc ccaggcacca gagtgtctcg 120
accctgcccg accggtctgg ctcgtgaggc cgacatctgg cctttcccag ggcccaggaa 180
aggaaaacctt ggaagtgtct ctaatcgctc tagactctga aaaacccaag aaacttcgct 240
tccacccaaa gcagctgtac ttctctgccg ggagggtga gctgcagaag gtgcttctca 300
tgctggttga tgggaattgat cccaacttca aaatggagca ccaaagtaag cgttcccat 360
tacatgctgc tgcggaggct ggccacgtgg acatctgcc 399

```

<400>	190						
cggcgcacggt	ggtggtgact	gagcggagcc	cggtgacagg	atgttggtgt	tggtattagg		60
agatctgcac	atccacacc	ggtgcaacag	tttgccagct	aaattcaaaa	aactcctggt		120
gccaggaaaa	attcagcaca	ttctctgcac	aggaaacctt	tgcaccaaag	agagttatga		180
ctatctcaag	actctggctg	gtgatgttca	tatttgtgaga	ggagacttcg	atgagaatct		240
gaattatcca	gaacagaaaag	ttgtgactgt	tggacagttc	aaaattggtc	tgatccatgg		300
acatcaagtt	attccatggg	gagatatggc	cagcttagcc	ctgttgcaga	ggcaatttga		360
tgtggacatt	cttatctcgg	gacacacaca	caaatttgaa	g			401

<400> 191						
tggcagccta	agccgtggga	gggttccagt	cgagaatggg	aagatgaaag	acttcagatg	60
gaacagaaaat	aaatgccttt	tttgacaaac	gcagcagtg	gtgcctctag	cttgcaagag	120
cgttactccc	cttcatagct	ttaaaaaggtt	ttcgcactgc	gtgcagttag	agtagctaaa	180
tcttgtgtga	cgctccacaa	acacttgtaa	gaattttgca	gagaaagata	accgttgcca	240
cccaatgccc	cccacaggca	ttctactccc	cagtacctct	taggggtggga	gaaatgggtga	300
agagttgttc	ctacaacttg	ctaaccctagt	ggacagggta	gtagattagc	atcatccgga	360
tagatgtgaa	gaggacggct	gtttggataa	taattaagga	taaaat		406

<400> 192  
cccggggagg ccctggtcat aaaactttaa attttactag tgttacttaa tgtatatattct 60

aaaaagagaa	tgcagtaact	aatgccctaa	atgtttgac	tctgtttgtc	attacttttt	120
caaaattatt	tttttctgta	aagtataata	tataaaaactt	cttgcttaaa	ttgaatttct	180
atattagtgg	ttaattgcag	tttattaaag	ggatcattat	cagtaatttc	atagcaactg	240
ttctagtgtt	ttgtgttttt	aaaacagaat	taggaatttg	agatatctga	ttatattttt	300
catatgaatc	acagac					316

<210> 193  
 <211> 146  
 <212> DNA  
 <213> Homo sapien

<400> 193						
gaaacatgga	ctgcccctta	aattttgact	gtcctaaaaa	cctattttctg	atttataata	60
tgctgcctga	taaagtgcga	ctagatgtac	cagctgagtg	tttaatcttc	ccatcacaga	120
tcagatttga	gcattaacag	gtattt				146

<210> 194  
 <211> 405  
 <212> DNA  
 <213> Homo sapien

<400> 194						
cggatgtgct	cactgacatt	ctactccaag	tcggagatgc	agatccactc	caagtcacac	60
accgagacca	agccccacaa	gtgcccacat	tgctccaaga	ccttcgccaa	cagctcctac	120
ctggcccagc	acatccgtat	acactcaggg	gctaagccct	acagttgtaa	cttctgtgag	180
aaatccttcc	gccagctctc	ccaccttcag	cagcacaccc	gaatccacac	tggtgataga	240
ccatacaaat	gtgcacaccc	aggctgtgag	aaagccttca	cacaactctc	caatctgcag	300
tcccacagac	ggcaacacaa	caaagataaa	cccttcaagt	gccacaactg	tcatcgggag	360
tacacgggat	cagcctcact	agaggtgcac	ctgtctacgc	acaca		405

<210> 195  
 <211> 421  
 <212> DNA  
 <213> Homo sapien

<400> 195						
agaattcggc	acgagctact	ccttgcgcg	tggtcactccg	cagccttttaa	ggttcgcgcg	60
ggggccaggc	aagagttagc	catgaagagc	ctcaagtccc	gcctgaggag	gcaggacgtg	120
cccggccccg	cgctgtctgg	cgccgcccgc	gccagcgcg	atgcagcaga	ttggaataaa	180
tatgatgacc	gattgatgaa	agcagcagaa	aggggggatg	tagaaaaagt	gacgtcaatc	240
cttgctaaaa	aggggggtcaa	tccaggcaaa	ctagatgtgg	aaggcagatc	tgtcttccat	300
gttggtgacct	caaaggggaa	tcttgagtgt	ttgaatgcca	tccttatata	tggtgattgat	360
attacaacca	gtgacactgc	aggagagaaat	gctcttcacc	tggtgtgctaa	gtatggacat	420
g						421

<210> 196  
 <211> 476  
 <212> DNA  
 <213> Homo sapien

<400> 196						
agaattgatc	tatagattta	atgcaatgcc	tactaaaaatc	ccagtacgat	tttttacagg	60
catagacaat	agacatagcc	aaaacttatt	ctaaaaataca	tatgaagatg	cacaggccct	120
agttatacaa	tcttgacaaa	gaagaataaa	gtgggaagaa	tctatttgat	tttaaggctt	180

accatgtaac tacagtcac aagagagtgt ggtatcggca gacgggtcaga catacagatc 240  
aatggaatgt aacagaggac ccagaaatag gcccacacag atatgctcaa tggatatttg 300  
acaagcgtgc aaaacaattc aatggaagaa taagctttca aaaaaatggc gttggagcaa 360  
ccggacatcc ataggaaaaa atgaacccat acctaaacca taaacottat ataaaaataa 420  
acacaaaatg aatcataggc ttaaagttaa gctataaaac ttttagagaa aaacac 476

<210> 197  
<211> 503  
<212> DNA  
<213> Homo sapien

<400> 197  
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aacatgttct gcatgtccag ctcaaccggc ccaacaagag gaatgccatg aacaaggctt 120  
tctggagaga gatggtagag tgcttcaaca agatttcgag agacgctgac tgtcggggcg 180  
tggtgatctc tggtgcagga aaaatgttca ctgcaggatg tgacctgatg gacatggctt 240  
cggacatcct gcagcccaaa ggagatgatg tggcccgatg cagctgggtac ctccgtgaca 300  
tcatcactcg ataccaggag accttcaacg tcatcgagag gtgccccaaag cccgtgattg 360  
ctgccgtcca tgggggctgc attggcggag gtgtggacct tgtcaccgcc tgtgacatcc 420  
ggtactgtgc ccaggatgct ttcttcagg tgaaggaggt ggacgtgggt ttggctgccc 480  
atgtaggaa actgcagcgc ctg 503

<210> 198  
<211> 168  
<212> PRT  
<213> Homo sapien

<400> 198  
Phe Val Ala His Ser Leu Ser Ser Ala Ala Ala Arg Ser Arg Leu Cys  
1 5 10 15  
Pro Lys Glu Glu Thr Val Thr Asp Leu Glu Thr Ala Val Leu Tyr Pro  
20 25 30  
Ser His Ser Ser Phe Thr Met Pro Gly Ser Leu Pro Leu Asn Ala Glu  
35 40 45  
Ala Cys Trp Pro Lys Asp Val Gly Ile Val Ala Leu Glu Ile Tyr Phe  
50 55 60  
Pro Ser Gln Tyr Val Asp Gln Ala Glu Leu Glu Lys Tyr Asp Gly Val  
65 70 75 80  
Asp Ala Gly Lys Tyr Thr Ile Gly Leu Gly Gln Ala Lys Met Gly Phe  
85 90 95  
Cys Thr Asp Arg Glu Asp Ile Asn Ser Leu Cys Met Thr Val Val Gln  
100 105 110  
Asn Leu Met Glu Arg Asn Asn Leu Ser Tyr Asp Cys Ile Gly Arg Leu  
115 120 125  
Glu Val Gly Thr Glu Thr Ile Ile Asp Lys Ser Lys Ser Val Lys Thr  
130 135 140  
Asn Leu Met Gln Leu Phe Glu Glu Ser Gly Asn Thr Asp Ile Glu Gly  
145 150 155 160  
Ile Asp Thr Thr Asn Ala Cys Tyr  
165

<210> 199  
<211> 168  
<212> PRT

09649811.082800



<213> Homo sapien

<400> 201

Met	Leu	Val	Leu	Val	Leu	Gly	Asp	Leu	His	Ile	Pro	His	Arg	Cys	Asn
1				5					10					15	
Ser	Leu	Pro	Ala	Lys	Phe	Lys	Lys	Leu	Leu	Val	Pro	Gly	Lys	Ile	Gln
			20					25					30		
His	Ile	Leu	Cys	Thr	Gly	Asn	Leu	Cys	Thr	Lys	Glu	Ser	Tyr	Asp	Tyr
		35				40						45			
Leu	Lys	Thr	Leu	Ala	Gly	Asp	Val	His	Ile	Val	Arg	Gly	Asp	Phe	Asp
	50					55					60				
Glu	Asn	Leu	Asn	Tyr	Pro	Glu	Gln	Lys	Val	Val	Thr	Val	Gly	Gln	Phe
65					70					75					80
Lys	Ile	Gly	Leu	Ile	His	Gly	His	Gln	Val	Ile	Pro	Trp	Gly	Asp	Met
				85				90						95	
Ala	Ser	Leu	Ala	Leu	Leu	Gln	Arg	Gln	Phe	Asp	Val	Asp	Ile	Leu	Ile
			100					105						110	
Ser	Gly	His	Thr	His	Lys	Phe	Glu								
		115					120								

<210> 202

<211> 135

<212> PRT

<213> Homo sapien

<400> 202

Arg	Met	Cys	Ser	Leu	Thr	Phe	Tyr	Ser	Lys	Ser	Glu	Met	Gln	Ile	His
1				5					10					15	
Ser	Lys	Ser	His	Thr	Glu	Thr	Lys	Pro	His	Lys	Cys	Pro	His	Cys	Ser
			20					25					30		
Lys	Thr	Phe	Ala	Asn	Ser	Ser	Tyr	Leu	Ala	Gln	His	Ile	Arg	Ile	His
		35					40					45			
Ser	Gly	Ala	Lys	Pro	Tyr	Ser	Cys	Asn	Phe	Cys	Glu	Lys	Ser	Phe	Arg
	50					55				60					
Gln	Leu	Ser	His	Leu	Gln	His	Thr	Arg	Ile	His	Thr	Gly	Asp	Arg	
65				70					75						80
Pro	Tyr	Lys	Cys	Ala	His	Pro	Gly	Cys	Glu	Lys	Ala	Phe	Thr	Gln	Leu
				85				90						95	
Ser	Asn	Leu	Gln	Ser	His	Arg	Arg	Gln	His	Asn	Lys	Asp	Lys	Pro	Phe
			100					105					110		
Lys	Cys	His	Asn	Cys	His	Arg	Ala	Tyr	Thr	Asp	Ala	Ala	Ser	Leu	Glu
		115					120					125			
Val	His	Leu	Ser	Thr	His	Thr									
		130				135									

<210> 203

<211> 135

<212> PRT

<213> Homo sapien

<400> 203

Leu	Leu	Leu	Ala	Arg	Trp	His	Ser	Ala	Ala	Phe	Lys	Val	Arg	Ala	Gly
1				5					10					15	
Ala	Arg	Gln	Glu	Leu	Ala	Met	Lys	Ser	Leu	Lys	Ser	Arg	Leu	Arg	Arg

0964931.03300

20 25 30  
 Gln Asp Val Pro Gly Pro Ala Ser Ser Gly Ala Ala Ala Ser Ala  
 35 40 45  
 His Ala Ala Asp Trp Asn Lys Tyr Asp Asp Arg Leu Met Lys Ala Ala  
 50 55 60  
 Glu Arg Gly Asp Val Glu Lys Val Thr Ser Ile Leu Ala Lys Lys Gly  
 65 70 75 80  
 Val Asn Pro Gly Lys Leu Asp Val Glu Gly Arg Ser Val Phe His Val  
 85 90 95  
 Val Thr Ser Lys Gly Asn Leu Glu Cys Leu Asn Ala Ile Leu Ile His  
 100 105 110  
 Gly Val Asp Ile Thr Thr Ser Asp Thr Ala Gly Arg Asn Ala Leu His  
 115 120 125  
 Leu Ala Ala Lys Tyr Gly His  
 130 135

<210> 204  
 <211> 167  
 <212> PRT  
 <213> Homo sapien

<400> 204  
 Ala Leu Gly Glu Ala Pro Asp His Ser Tyr Glu Ser Leu Arg Val Thr  
 1 5 10 15  
 Ser Ala Gln Lys His Val Leu His Val Gln Leu Asn Arg Pro Asn Lys  
 20 25 30  
 Arg Asn Ala Met Asn Lys Val Phe Trp Arg Glu Met Val Glu Cys Phe  
 35 40 45  
 Asn Lys Ile Ser Arg Asp Ala Asp Cys Arg Ala Val Val Ile Ser Gly  
 50 55 60  
 Ala Gly Lys Met Phe Thr Ala Gly Ile Asp Leu Met Asp Met Ala Ser  
 65 70 75 80  
 Asp Ile Leu Gln Pro Lys Gly Asp Asp Val Ala Arg Ile Ser Trp Tyr  
 85 90 95  
 Leu Arg Asp Ile Thr Arg Tyr Gln Glu Thr Phe Asn Val Ile Glu  
 100 105 110  
 Arg Cys Pro Lys Pro Val Ile Ala Ala Val His Gly Gly Cys Ile Gly  
 115 120 125  
 Gly Gly Val Asp Leu Val Thr Ala Cys Asp Ile Arg Tyr Cys Ala Gln  
 130 135 140  
 Asp Ala Phe Phe Gln Val Lys Glu Val Asp Val Gly Leu Ala Ala His  
 145 150 155 160  
 Val Gly Thr Leu Gln Arg Leu  
 165

<210> 205  
 <211> 381  
 <212> DNA  
 <213> Homo sapien

<400> 205  
 aaatttgga tcatgcgctg ttctgaaaac tagatgcacc aaccgtatca ttatttggtt 60  
 gaggaaaaaa agaaatctgc attttaattc atgttggtca aagtcgaatt actatctatt 120  
 tatcttatat cgtagatctg ataaccctat ctaaaagaaa gtcacacgct aaatgtattc 180

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ttacatagtg cttgtatcgt tgcatttggt ttaatttggt gaaaagtatt gtatctaact 240
tgtattactt tggtagtttc atctttatgt attattgata tttgtaattt tctcaactat 300
aacaatgtag ttacgctaca acttgcctaa aacattcaaa cttgttttct tttttctggt 360
gttttctttg ttaattcatt t 381

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<210> 206
<211> 514
<212> DNA
<213> Homo sapien

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<400> 206
aaaagtaa at tgcataaa at tacatcca at ttctttct ct aaaccaac at attcttcacc 60
ttcacaaagc aaacacat gg tgcactga aa ccgagggt gt accagcttta catactgttc 120
tgccattt gt gggggggt gc accacaac at aagtcagaaa aaaagctatc cagcttttct 180
tggaatct gg tgaagttt ac acttagcg at aagcctct aa gcctgaactt agcagggcta 240
gcaaaaactt at ttattttc taactcct at tattttag aa tggttttcaa aataatactg 300
caagttccta attgaaata c aaaacaga ac aaaaagct gt gagaaatctt ttttttctt 360
tggctcct ta aagacttg ga ataattta ta ttagtggt gc atacatttta ccttctac at 420
tttgatgt ac ttgctctt ga aagcacta ga acaaatta at tgaaataaaa cctctctgaa 480
accatttg aa tctttgat cc taccatag ag tttt 514

```

```

<210> 207
<211> 522
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(522)
<223> n = A,T,C or G

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<400> 207
caagctttt gtgcatag ca gccngcct gg aagcattctg agtgctct gt ctgccctggt 60
gggtttcatt atcctgtctg tcaaacaggc caccttaaat cctgcctcac tgcagtgtga 120
gttggaacaa aataatata c caacaaga ag ttatgtttct tacttttata atgattcact 180
ttataccacg gactgctata cagccaaagc cagtctggct ggaactctct ctctgatgct 240
gatttgcact ctgctgga at tctgcctagc tgtgctcact gctgtgctgc ggtggaaaca 300
ggcttactct gacttccctg ggagtgtact ttccctgcct cacagttaca ttggtaattc 360
tggcatgtcc tcaaaaat ga ctcatgactg tggatatgaa gaactattga cttcttaaga 420
aaaaagggag aaatatta at cagaaagttg attcttatga taatatggaa aagttaacca 480
ttatagaaaa gcaaagcttg agtttcctaa atgtaagctt tt 522

```

```

<210> 208
<211> 278
<212> DNA
<213> Homo sapien

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<400> 208
aaaatgcact accccttttt tccaacacgg agcttaaaac aaattaatga aagagtggaa 60
aattcaaaat aagggaaga gataaggttt tttttttttt tcctttaaga tagactcagg 120
ataggtagat agcttttact gatgtagatg tggataaaat tattacttca ggaaaaaaat 180
tcccaaacat cttatgaaaa agtatacaac tctacttcaa aatatgctat ttactcactg 240
ccaaagacag ttttatttga aatcttgttt ctgtattt 278

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<210> 209  
 <211> 234  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(234)  
 <223> n = A,T,C or G

<400> 209  
 cctcccaaat ttagcaggtg ctgggnagga cctagggag tggtttatgg gggctagctg 60  
 gtgaaactgc cctttccttt ctgttctatg agtgtgatgg tgtttgagaa aatgtggggc 120  
 tatggttcag gcgcacttca catgtgcaaa gatggagaaa gcactcacct acacgttttag 180  
 gctcagaatg ttgattgaaa ctttttgaat gatcaaaaat aaaatgttat tttt 234

<210> 210  
 <211> 186  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(186)  
 <223> n = A,T,C or G

<400> 210  
 aaaataactg atggcaaaat aaaanattta catcacatca tactgtgtaa acatgtaagg 60  
 tctctgtaca aagaaatata catgcaaaat aatgtaaaaa ttttaactgaa ataataaaag 120  
 aaacaatata caaataaaaa ttatgaggtt acgaatacac atccagtttc gaatccaatt 180  
 tctttt 186

<210> 211  
 <211> 403  
 <212> DNA  
 <213> Homo sapien

<400> 211  
 aaaaattggt aaaatattta agtacaaaat aagtagcttc cagcgaggtt tttataccat 60  
 agtaagagca cacaatagat attactagca cacatgggtt atctgggagc gctatagcta 120  
 caataaacct aattatggaa cagaaatttg cattctgttt ccagtgtctac tacactccta 180  
 ctttctcaaa agtctgctct attaatatca gctcagtga gtttactatg aatagtttat 240  
 gtctgtgatg caaagcatta attgttctct ttttacaac atacattttt ttcataagga 300  
 agactggggg aaaaccaga aacatacaga gaaaaggaaa gcatcatcaa atatatgtta 360  
 aaaattaaga tgatgtttac tactagtcat cctacaacaa ttt 403

<210> 212  
 <211> 345  
 <212> DNA  
 <213> Homo sapien

<400> 212  
 cctctttatg agttcattac tgctgttcag tctcggcaca cagacacccc tgtgcaccgg 60  
 ggtgtacttt ctactctgat cgctgggcct gtggttgaga taagtcacca gctacggaag 120



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<210> 213
<211> 318
<212> DNA
<213> Homo sapien
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<210> 214
<211> 462
<212> DNA
<213> Homo sapien
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<210> 215
<211> 280
<212> DNA
<213> Homo sapien
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<210> 216
<211> 210
<212> DNA
<213> Homo sapien
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```

<400> 216
aaaatctctg gcttcaaagt ttcttgggga aaggtcgggt tacctcacat tttttgtttc    60
cattagtaat attctaggta cctcacaaaa tgtattatgg tgccatggct gttagttttt   120
agtgaqtgct gtaggattaa ttcgaaaata ggcagaattc cattcctccc aaggtggcaa   180

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210

<400> 217

<400> 218

<400> 219

$\langle 220 \rangle$

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<221> misc_feature
<222> (1)...(341)
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atTTTTtagtc	attaaaaaaa	aatctagtca	ccaggaggat	ccctataact	caaaataact	120
tgTTTgtaaa	agaaaatttg	tttacttacc	cattagtaag	ttcctgcata	ttcattataa	180
gatggcaaat	caaaacttttc	taggatgaag	acagcttatt	tttaagttgt	atagtcttag	240
ttggttttagg	gtctcaattt	taattaataa	aatacttggt	ttttatttgc	ttgtcctttt	300
gaattcctgt	tttaataatt	tt				322

&lt;210&gt; 225

&lt;211&gt; 489

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 225

aaatgtagga	ataaaatggc	tggcatctaa	gcacttttagt	aaaagagggt	tttacaata	60
actaaggatt	gtagagcttc	cttctctttt	ttttctttt	tctttctttt	gttttacatg	120
aactcaactt	attcctaaca	tttgtctacc	tcaaagaaat	ttcaagatta	tttagataac	180
atggatatgt	gccaaatcct	ttgagctgtt	aagatgataa	tttctgtctt	tcctcctaca	240
tcttctcctc	ccactccctc	ctttggtgtg	aatattggct	tcccaattaa	gacctttttt	300
ttttttttcc	agtttgTTTT	agcttattat	aggTTTTtga	ggaactttgc	cattttgtaa	360
tctttcaaat	cattcttcac	ccttctcacc	atcagcttcc	tgcttttccc	agtgttttac	420
tgtaaattgt	gtagcatatg	acaaatcttg	agctgacttt	cctcttcaact	gatgtcatct	480
tgagctctt						489

&lt;210&gt; 226

&lt;211&gt; 398

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 226

caagggccca	ccgcagagca	cacctatgct	atggggagcc	ctgctggcag	ccccgagagc	60
catgccatgg	cctgcaggag	ccaggctcct	gtgtggatga	agtcctctt	cctctgtgcc	120
ttgatccctt	gggggtgcct	ttggtcatct	cttctgtcct	ttcctgtctc	tgaaatagtc	180
atcaactccc	ttgactctct	ctgttcacgt	cttctcagtc	tgcagagtta	acttctgtaa	240
ggagtttaat	ctgggggttcc	aagaaaacaa	gttccttggt	aacatagcac	tgactttgca	300
acaatagaaa	actaacaat	gagcaacaat	ataaagagta	gaggtagttc	tcattgggtg	360
taacttcaac	ccattctgct	tgtggttaga	atttataa			398

&lt;210&gt; 227

&lt;211&gt; 535

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 227

ctgctgcata	gaaaatatgc	taacatacaa	cagtcaagtt	taagcctgtg	catagagaag	60
ataaagcact	tatggtaact	gcaaattggt	acgagtcctt	aaggtttgta	caacctagta	120
tgggtccata	aggaaaaact	gtagtagaaa	tggtaggac	aaacaataaa	gtagaacag	180
gggggaaaact	tgagaagaga	agaaagaagc	aagaaaaaaa	gactttcaat	tgtataaaat	240
tcacaaacca	gtaaagtata	aagacaccat	ggagaaatgg	ttaactctgc	cccaaacc	300
caacagcaaa	caaaaccaga	atgaataagc	ctttggcaga	caattttaga	aatttgaatg	360
ttacatttct	caataattca	caaacaatat	attatatggt	atattttatat	taaatattgg	420
gaaaccaatg	ttgtaaattt	gatgcttata	atgcttttagc	caatgagagc	acaatgatat	480
caatcaagct	aatgaatgc	tgggtgttatc	acaacagtgc	tcattttatga	aacaa	535

&lt;210&gt; 228

ttgttcagag	ccttggtgga	tcttgcaatc	cagtgcccta	caaaggctag	aacactacag	60
gggatgaatt	cttcaaatag	gagccgatgg	atctgtggtc	ctttgggact	catcaaagcc	120
ttggtttagc	attttgtcag	ttttatcttc	agaaattctc	tgcgattaag	aagataattt	180
attaaagggtg	gtccttccta	cctctgtggt	gtgtgtcgcg	cacacagctt	agaagtgtcta	240
taaaaaagga	aagagctcca	aattgaatca	cctttataat	ttacccattt	ctatacaaca	300
ggcagtggaa	gcagtttcag	agaacttttt	gcatgcttat	ggttgatcag	ttaaaaaaga	360
atgttacagt	aacaaataaa	gtgcagttt				389

<210> 232  
 <211> 397  
 <212> DNA  
 <213> Homo sapien

<400> 232  
 ccaggataat atacacaggt ttgcagctaa aactgtgcac agtgggtcat tgatgctagt 60  
 cacagtggaa ctgaagggaag gctctacagc ccagcttatc ataaacactg agaaaactgt 120  
 gattggctct gttctgctgc gggaactgaa gcctgtcctg tctcaggggt aacctgctta 180  
 catctggact ttagaatctg gcacacaaca aaagtgcctg gcatccacta ctgctgcctt 240  
 tcatattataa taatagccct tccatctggc agtgggggaa gaatacactc ttgacattct 300  
 tgtctcctgc tttagaatgc tagtgtgtat ctatcatgta tgcaataactt tccccctttt 360  
 tgcttttgcta accaaagagc atatatttta ctgtcag 397

<210> 233  
 <211> 508  
 <212> DNA  
 <213> Homo sapien

<400> 233  
 cgaggagtcg cttaaagtgcg aggacctcaa agtggggacaa tatattttgta aagatccaaa 60  
 aataaatgac gctacgcaag aaccagttaa ctgtacaaac tacacagctc atgtttcctg 120  
 ttttccagca cccaacataa cttgtaagga ttccagtggc aatgaaacac attttactgg 180  
 gaacgaagtt ggttttttca agcccatatc ttgccgaaat gtaaattggct attcctacaa 240  
 agtggcagtc gcattgtctc tttttcttgg atggttggga gcagatcgat tttaccttgg 300  
 ataccctgct ttgggtttgt taaagttttg cactgtaggg ttttgtggaa ttgggagcct 360  
 aattgatttc attcttattt caatgcagat tgttggacct tcagatggaa gtagttacat 420  
 tatagattac tatggaacca gacttacaag actgagtatt actaatgaaa catttagaaa 480  
 aacgcaatta tatccataaa tatttttt 508

<210> 234  
 <211> 358  
 <212> DNA  
 <213> Homo sapien

<400> 234  
 aaatgttggg attcaaaacc aaagatataa ccgaaaggaa aaacagatga gacataaaat 60  
 gatttgcaag atgggaaata tagtagttta tgaatgtaaa ttaaattcca gttataatag 120  
 tggctacaca ctctcactac acacacagac cccacagtcc tatatgccac aaacacattt 180  
 ccataacttg aaaatgagta ttttgcatat ctcaagtccag gatatgtttt ttacaagtta 240  
 atcctaaaag cataaagcaa gaagctattc atagtacaag attttatttg ctaagcttta 300  
 caaattaaac tctaaaaaat tattacaatg atactgaaa atattttatt ggcctttt 358

<210> 235  
 <211> 482  
 <212> DNA  
 <213> Homo sapien

<400> 235  
 gaagaaagtt agatttacgc cgatgaatat gatagtga aa tggtttttgg cgtaggtttg 60  
 gtctaggggt tagcctgaga ataggggaaa tcagtgaatg aagcctccta tgatggcaaa 120  
 tacagtcctt attgatagga catagtggaa gtgagctaca acgtagtacg tgcctgttag 180  
 tacgatgtct agtgatgagt ttgctaatac aatgccagtc aggccaccta cggtgaaaag 240  
 aaagatgaat cctagggctc agagcactgc agcagatcat ttcattttgc ttccgtggag 300







<400> 246

```

aatgttggt attcaaaacc aaagatataa ccgaaaggaa aaacagatga gacataaaat      60
gatttgcaag atgggaaata tagtagttta tgaatgtaaa ttaaattcca gttataatag     120
tggctacaca ctctcactac acacacagac cccacagtcc tatatgccac aaacacattt     180
ccataacttg aaaatgagta ttttgcatat ctacagttcag gatatgtttt ttacaagtta     240
atcctaaaagt cataaagcaa gaagctattc atagtacaag attttatttg ctaagcttta     300
caaattaaac tctaaaaaat tattacaatg atactgaaag atattttatt ggcctttt      358

```

```

<210> 247
<211> 673
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(673)
<223> n = A,T,C or G

```

```

<400> 247
gaagaaagtt agatttacgc cgatgaatat gatagtgaaa tggatttttg cgtaggtttg      60
gtctagggtg tagcctgaga ataggggaaa tcagtgaatg aagcctccta tgatggcaaa     120
tacagctcct attgatagga catagtggaa gtgagctaca acgtagtacg tgcgtgtag      180
tacgatgtct agtgatgagt ttgctaatac aatgccagtc aggccacctc cggtgaaaag     240
aaagatgaat cctagggtct agagcactgc agcagatcat ttcattattgc ttccgtggag     300
tgtggcgagt cagctaaata ctttgacgcc ggtggggata gcgatgatta tggtagcgga     360
ggtgaaatat gctcgtgtgt ctacgtctat tcctactgta aatatatggt gtgctcacac     420
gataaacctt aggaagccaa ttgatatcat agctcagacc atacctatgt atccaaatgg     480
ttcttttttt ccggagtagt aagttacaat atgggagatt attccgaagc ctggtaggat     540
aagaatataa acttcagggt gaccgaaaaa tcagaatagg tgttggtata gaatggggtc     600
tcctnctccg cgggggtcnaa gaagggtggtg ttgangttgc cggnctgtta ntagtatagn     660
gatgccanca gct                                     673

```

```

<210> 248
<211> 149
<212> DNA
<213> Homo sapien

```

```

<400> 248
cctcttcatt gttcacatgt cacaggagga ggctctgagc aaaggccact ggcaagttag      60
ggcaacacca agaaggctct gcggagagac tccctgtggg ttggggcctg gcaggaacgg     120
tgctgtgga ctgtttatgg tctgtccag                                     149

```

```

<210> 249
<211> 458
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

```

```

<400> 249
gaagctaaat ccaaagaaat atgaaggtgg ccgtgaatta agtgatttta ttagctatct      60
acaaagagaa gctacaaacc ccctgtaat tcaagaagaa aaaccaaga agaagaagaa     120

```

ggcacaggag	gatctctaaa	gcagtagcca	aacaccactt	tgtaaaagga	ctcttccatc	180
agagatggga	aaaccattgg	ggaggactag	gacccatatg	ggaattatta	cctctcaggg	240
ccgagaggac	agaatggata	taatctgaat	cctgtttaat	tttctctaaa	ctgtttctta	300
gctgcactgt	ttatggaaat	accaggacca	gtttatgttt	gtgggttttg	gaaaaattat	360
ttgtgttggg	ggaaatgttg	tgggggtggg	gttgagttgg	gggtattttc	taattttttt	420
tgtacatttg	gaacagtgac	aataaatgan	accocctt			458

<210> 250  
 <211> 374  
 <212> DNA  
 <213> Homo sapien

<400> 250						
aaaaaacaaa	acaatgtaag	taaaggatat	ttctgaatct	taaaattcat	cccatgtgtg	60
atcataaact	cataaaaaata	attttaagat	gccggaaaag	gatactttga	ttaaataaaa	120
acactcatgg	atatgtaaaa	actgtcaaga	ttaaaattta	atagtttcat	ttatttgta	180
ttttatttgt	aagaaatagt	gatgaacaaa	gatccttttt	catactgata	cctggttgta	240
tattatttga	tgcaacagtt	ttctgaaatg	atatttcaaa	ttgcatcaag	aaattaaaat	300
catctatctg	agtagtcaaa	atacaagtaa	aggagagcaa	ataaacaaca	tttggaaaaa	360
aaaaaaaaaa	aaaa					374

<210> 251  
 <211> 356  
 <212> DNA  
 <213> Homo sapien

<400> 251						
aaagatcttc	tctaacaagc	tatgggaatt	tggttccata	ctctttcttt	gcaacagcag	60
tggtctgggt	gataattttg	aattgatacc	tggtcctttt	tctgggtttt	gttggctttt	120
tgaaaaattg	tctttcctta	tcattgggtg	gaggcttggt	agcaaagtaa	catttttttg	180
aaaagaggac	agaaaaattg	aactacagct	tgagaacgta	ttcttttttt	cctactttgt	240
tattgcaaat	tgaggaatca	cttttaactg	ttttaggtgt	gtgtgtccag	agtgagcaag	300
gattatgttt	ttggattgtc	aaagaggatg	cttagtctta	aaataaaaaa	aaattt	356

<210> 252  
 <211> 484  
 <212> DNA  
 <213> Homo sapien

<400> 252						
ctggtaaaact	gtccaaaaca	aggttccaaa	taacacctct	tactgattta	ccctacccat	60
acatatccca	aatagttttt	gatcaaaaac	atgaaataga	tccacctgct	tatttttaagc	120
atattaaaaa	ggaaactaat	tggaaccattt	tctatttgtc	tattttatac	aaaaaggcta	180
cacaattggt	acactttatt	cagattacaa	tttaattagag	tgattatgaa	ttagtgttct	240
acaccattac	tcaattctta	aaaattagaa	attgctgtag	cagtattcac	tataacttaa	300
cactacgaga	gacttaaaaa	acagttactg	caaaaaaaaa	aaagagctac	ttcaaagcaa	360
gcaaagtccag	taccattaca	gatattctta	aaaaaaaaaa	aaaatttaac	aagcaaggct	420
agggtttgat	aaattccatc	ttgtgatcca	ttcttgtgca	ttcttcactt	cttgagtcac	480
tccc						484

<210> 253  
 <211> 379  
 <212> DNA  
 <213> Homo sapien

```
<210> 254
<211> 387
<212> DNA
<213> Homo sapien
```

<400> 254						
aaatttgact	tttcagtgcc	tcagtttgca	catctgtaat	acagcaatgc	taagtagtca	60
aggcCnttga	taattggcac	tatggaaatc	ctgcaagatc	ccactacata	tgtgtggagc	120
agaagggtaa	ctcggtaca	gtaacagctt	aattttgtta	aatttgttct	ttatactgga	180
gccatgaagc	tcagagcatt	agctgaccct	tgaactattc	aaatgggcac	attagctagt	240
ataacagact	tacatagggtg	ggcctaaagc	aagctcctta	actgagcaaa	atttggggct	300
tatgagaatg	aaagggtgtg	aaattgacta	acagacaaat	catacatctc	agtttctcaa	360
ttctcatgta	aatcagagaa	tgccttt				387

```
<210> 255
<211> 225
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(225)  
<223> n = A,T,C or G
```

<400>	255						
aaatgtcttg	tttcccgat	ttcaggaaan	tttttttctt	ttaagctatc	cacagcttac		60
agcacctttg	ataaaaatata	cttttgtgaa	caaaaattga	gacatttaca	ttttctccct		120
atgttggtgcg	tccagacttg	ggaaactatt	catgaatat	tatatgtgat	ggtaatatag		180
ttattgcaca	agttcaataa	aaatctgctc	tttgtatgac	agaat			225

```
<210> 256
<211> 544
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(544)
<223> n = A,T,C or G
```

<400> 256  
 ccttgcttaa agcccagaag tggtttaggc ntttggaaaa tctgggttcac atcataaaga 60  
 acttgatttg aaatgttttc tatagaaaca agtgctaagt gtaccgtatt atacttgatg 120  
 ttggtcattt ctcagtccta tttctcagtt ctattatatt agaacctagt cagttcctta 180  
 agattataac tggtcctaca ttaaaataat gcttctcgat gtcagatttt acctgtttgc 240  
 tgctgagaac atctctgcct aatttaccaa agccagacct tcagttcaac atgcttcctt 300  
 agcttttcat agttgtctga cttttccatg aaaacaaagg aaccaacttt gttttaacca 360  
 aactttgttt ggttacagtt ttcaggggag cgtttcttcc atgacacaca gcaacatccc 420  
 aaagaaataa acaagtgtga caaanaaaaa aacaaaccta aatgctactg ttccaaagag 480  
 caacttgatg gtttttttta atactgagtg caaaaggnca cccaaattcc tatgatgaaa 540  
 tttt 544

<210> 257  
 <211> 420  
 <212> DNA  
 <213> Homo sapien

<400> 257  
 aaatgtcttg tttccagat ttcaggaaac tttttttctt ttaagctatc cacagcttac 60  
 agcaatttga taaaatatac ttttgtgaac aaaaattgag acattttacat tttctcccta 120  
 tgtgtcgctt ccagacttgg gaaactattc atgaatattt atattgtatg gtaatatagt 180  
 tattgcacaa gttcaataaa aatctgctct ttgtatgaca gaatacattt gaaaacattg 240  
 gttatattac caagactttg actagaatgt cgtatttgag gatataaacc cataggtaat 300  
 aaaccacag gtactacaaa caaagtctga agtcagcctt ggtttggtt cctagtgtca 360  
 attaaacttc taaaagttaa atctgagatt ccttataaaa acttcagca aagcaacttt 420

<210> 258  
 <211> 736  
 <212> DNA  
 <213> Homo sapien

<400> 258  
 aaacaaaatg ctaaacctaa aaacattggt ctgtcagttc ccaaattaaa tctacttaga 60  
 acaaaaacaa aaatttatag ctcggtcaca tactacttaa ataatttgt tcaggcatct 120  
 ctaaaatcct ccatgttttc aagtatggaa atagaactca aatattccac aatacagtac 180  
 taaacagatg gagtatttag gaaagacttt gttgtcatat ggcacaatat taatattttg 240  
 ttgcttcaat acgttttgaa ataaatatca gatttttggt tttttttcct aaaagaccaa 300  
 aattataatc tacattaaga taattctgac tgtgggtaag acttaagagt gtaaaataca 360  
 acatcaatat tttatcacaa aagtaaagct ggtaacaaat tataaaagga gccagtactc 420  
 tactgagaca ggctcggaga ttaaagctca tcatgataga aatagtcac atggagctgt 480  
 ctgccataat ctgtggcttc actggtgaga aacaagtcog ggttttccag aatctcttct 540  
 tcagagagct ttttgtcacc attcaaatcc atttcatcaa ttagatgaag cgctctctct 600  
 tgtgcaatgc cctgattatt aggtctaccc aaggtaacag ctcttgggga tcaagcctgc 660  
 catcgttatc tttgtcataa tcattcaccg aatctgtctt tctcacaagt atcccattct 720  
 ggatcttcat ttgcag 736

<210> 259  
 <211> 437  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

<222> (1)...(437)

<223> n = A,T,C or G

<400> 259

aaaaccatac	tgaaatcatt	taccaaataa	cnaagatctt	aatctaaaag	atagtgaata	60
catcatcatc	atgaaatctg	gttttatgtg	ctctatgaag	tacttggaga	attgcttttt	120
tatttttctt	ttgctttatt	aggtcacaca	aaacagaatg	aattagcaga	aaaatgtatg	180
ttataaaaca	gcatttacta	cttcaattta	atttttttta	ctaacaattg	tggaaccttt	240
tgatgacact	tatgtatgtt	tttaataaat	tatgtactta	ttagtactta	atgagccctt	300
cctgcctcaa	tataaaatta	ctaaacttgg	agaattacag	attttattgt	aggccctgat	360
gttagtcact	ttggagaagc	taaaaatttg	gaaatgatgt	aattcccact	gtaatagcat	420
agggatattg	gaagcag					437

<210> 260

<211> 592

<212> DNA

<213> Homo sapien

<400> 260

tttttttttt	gaaaaatata	aaattttta	aaaggctaca	tctcttaatt	acaataatta	60
ttgtaccaag	taatttttct	taaatgaact	ctttataatg	cataattttac	agtataagta	120
gaacaaaatg	tcatgacaaa	agtcattgag	tacaagactt	gtaataaaaa	ggcataaaat	180
atattttatac	ataaaccctt	ttcaaaaaac	aaggggaaagc	ttgagccctc	aatatagggc	240
gacacacgga	gcgggtgacc	gtgcaggtag	aggtagctga	ctgattttaa	gtcaagcact	300
agagatagtg	gattaatact	cttttgccgt	acactatata	cagatgtata	gtacaagtaa	360
caatggcaaa	cagaatgtac	agattaactt	aacacaaaaa	cccgaacatc	aaaatgaagg	420
tgtgtggagg	aaaggtgctg	ctgggtctcc	ctacaactgt	tcattttctt	gtggggcagg	480
gggtagttcc	tgaatggctg	tgggtccaatg	actaatgtaa	aacaaaaaca	gaaacaaaaa	540
aaacaaggaa	ctgtcatttc	cacgaaagca	cagcggcagt	gattctagca	gg	592

<210> 261

<211> 450

<212> DNA

<213> Homo sapien

<400> 261

gtggcagggc	ccagccccga	accagacaag	ggaccctca	aggagcttca	ttctagcatg	60
agaaaattga	gaagtaaacc	agaaagttac	agaatgtctg	aaggggacag	tgtgggagaa	120
tccgtccatg	ggaaaccttc	ggtggtgtac	agatttttca	caagacttgg	acagatttat	180
cagtcctggc	tagacaagtc	cacaccctac	acggctgtgc	gatgggtcgt	gacactgggc	240
ctgagctttg	tctacatgat	tcgagttttac	ctgctgcagg	gttggtacat	tgtgacctat	300
gccttgggga	tctaccatct	aaatcttttc	atagcttttc	tttctcccaa	agtggatcct	360
tccttaatgg	aagactcaga	tgacggtcct	tcgctaccca	ccaaacagaa	cgaggaattc	420
cgcccttca	ttcgaaggct	cccagagttt				450

<210> 262

<211> 239

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(239)

<223> n = A,T,C or G

09649811.082800

<400> 262  
 taactttgat gacaaaatct aaaattaaag anttagtctt aaaagcctat agtgacttgt 60  
 ttacttgcat aaataatatt ttcacttagt acaggctatt aatataagta atgagaattt 120  
 aagtattaac tcaaaaaaag atagaggctc caaacttttc taagaaatta atgcattttc 180  
 aaagtaataa tataatcaat ctgtaagtca aaagtaattt catattcatt gccaaattt 230

<210> 263  
 <211> 376  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(376)  
 <223> n = A,T,C or G

<400> 263  
 aaaaaaaaaa aaaaaaaatt ccttgtngtt tnttagagga aaaaaagaaa aaccccaact 60  
 ttanactg atactacata ttgctctgtt aaagaatttt ctctgccaaa aaaaagaaaa 120  
 aacaaaaaaa cgcttaaagc tggagtttga cattctgctt tcagatgctg tctttttatt 180  
 agtgagtgat gatggtttgc taataatcaa taggtaataa ttttttgtaa tccatcaag 240  
 tggctccata tgtttctgct ctctcgtgac tgtgttaatg ttttaactgtt gtaccttaaa 300  
 gccgaaatca gtaactatgc atactgtaac caaggatttg ggcttacaga gttgtttgtt 360  
 gnataaagaa aatttt 376

<210> 264  
 <211> 207  
 <212> DNA  
 <213> Homo sapien

<400> 264  
 aaattagcat tccacaaata tacaggtaat ttaataatta ttgtgcatga atacatacac 60  
 aatgcttata tatacaaatt ccagtttgtt ttcattgtgt ggcaagggat ttgtatacaa 120  
 tcataagctg tgttcatatt ggtcccattg aatattcaca atacaaaagc acaaaagaac 180  
 cattgattta caaaaggaaa tctattt 207

<210> 265  
 <211> 388  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(388)  
 <223> n = A,T,C or G

<400> 265  
 naactgcact ttatttggtt ctgtaacatt nttttttaac tgatcaacca taagcatgca 60  
 aaagnccnct gaaactgctt ccactgcctg ttgtatagaa atgggtaaat tataaagggtg 120  
 attcaatttg gagctccttc cttttttata gcacttctaa gctgtgtgct cgacacacac 180  
 cacagaggta ggaaggacca cctttaataa attatcttct taatcgaga gaatttctga 240  
 agataaaact gacaaaatgc taaaccaagg ctttgatgag tcccaaagga ccacagatcc 300  
 atcggctcct atttgaagaa ttcattccct gtagtgttct agcctttgta gggcactgga 360





```
<210> 269
<211> 270
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G
```

```
<210> 270
<211> 368
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(368)
<223> n = A,T,C or G
```

```
<210> 271
<211> 313
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(313)
<223> n = A,T,C or G
```

<400> 271							
aaat	ttatat	aaaactctgt	acatgttcac	tttattattg	cataaacagc	ataatcttca	60
agaca	anngt	ttgcaaacac	atgtccaatt	caggaaaaaa	aatttcacgt	ttctcgtctg	120
gct	tttttct	tcttttttat	ttgtttggga	gattcccagc	tagtttcaga	cttgggtctgt	180
gaagg	aggca	cactattttg	cttgggtattt	gacttggatt	tatctgtctc	ttgtagtatt	240

ggcggcactt gggaagagct cttgtcagaa tcactttttg ataagattac agatggctcg 300  
gtagaagtag cag 313

<210> 272  
<211> 462  
<212> DNA  
<213> Homo sapien  
  
<220>  
<221> misc\_feature  
<222> (1)...(462)  
<223> n = A,T,C or G

<400> 272  
aaaaaacatt tattttaata agactattgc naacacatta aaaaaactaa atagtaatat 60  
tacaaaatct atatacttgc acatttagta tttgtcaatg tgccagaggt tttcttcatg 120  
aaatttgact tctttgaagt gaaggctttt ttctatcatc tcttatagct ctgactgaat 180  
aagtcctaag gctttcttca tgttttctat caataggggt aaatcccgag gctcatatgt 240  
gtacaatctg ttagagtatc ttccagctat gtcagctcta actgttaaag aagggtctac 300  
aaacatgatt ctaggcacat attgcccatc aggtgataaa ttcttatcag tggtttcatg 360  
cataaggttt agcatgatga acttattctg agccatttct tgtatttctt cattttgggc 420  
aaatactttc tttagtgcct gagagtattg acaatcctcc ag 462

<210> 273  
<211> 282  
<212> DNA  
<213> Homo sapien  
  
<220>  
<221> misc\_feature  
<222> (1)...(282)  
<223> n = A,T,C or G

<400> 273  
ctgatcaaag catgggatat tttaatagtn ttatacataa tattttttaca tagaaaactt 60  
tacatnncat ttcataattat ataattctgc ttattctttc aaaaatttat acatccattg 120  
ggcaaggaat ggttttcatt aaattaccaa tattaaatgc acttaatcat tgtgtatagg 180  
ttaaaccaaa gtaactatta actaactttt aggcatttta aggaggtaaa acatacattt 240  
tacacataag tatttgatgc aaatatgcag ataaaatttt tt 282

<210> 274  
<211> 125  
<212> DNA  
<213> Homo sapien  
  
<220>  
<221> misc\_feature  
<222> (1)...(125)  
<223> n = A,T,C or G

<400> 274  
cagccctaga cctcaactac ctaaccaacn ttnccttaaaa taaaatcccc actatgcaca 60  
ttnaatcnct ccaacatact cggattctac cctagcatca cacaccgcac aatcccctat 120  
ctagg 125

008230"TT84960

<400> 275

<400> 276

<400> 277

ccagggtggc tctgatatag cagccctggt ntatttttca tatttcagga agactggcag 60  
atn gcaccag accctgaatt cttctagctc ctccaatccc attttatccc atggaaccac 120

taaaaacaag	gtctgctctg	ctcctgaagc	cctatatgct	ggagatggac	aactcaatga	180
aaatttaaag	ggaaaaccct	caggcctgag	gtgtgtgcca	ctcagagact	tcacctaact	240
agagacaggc	aaactgcaaa	ccatgggtgag	aaattgacga	cttcacacta	tggaacagctt	300
ttcccaagat	gtcaaaaacaa	gactcctcat	catgataagg	ctcttaccct	cttttaattt	360
gtccttgctt	atgcctgcct	ctttcgcttg	gcaggatgat	gctgtcatta	gtatttcaca	420
agaagtagct	tcagagggtta	acttaacaga	gtatcagatc	tatcttgtca	atcccaacgt	480
tttacataaa	ataagagatc	ctttagtgc	cccagtgc	gacattagca	gcattcttaa	540
cacagccgtg	tggttcaaatg	tacagnngtc	cttttcagag	ttggacttct	agactcacct	600
gttctcactc	cctgttttaa	ttcaaccag	ccatgcaatg	ccaaataata	gaaattgctc	660
cctaccag						668

&lt;210&gt; 278

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(202)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 278

aaattggtat	cgacggcaac	caggggaagn	tnctaaactc	ctaattctatt	ctggatccaa	60
ttngcnaagt	gggggtcccat	caaggttcag	tggcagtgga	tctgggacag	atttcactct	120
cacgatcagc	agtctgcaac	ccgaagattt	tgcaacttac	tactgtcaac	agagttacat	180
gtccccgtac	acttttggac	cc				202

&lt;210&gt; 279

&lt;211&gt; 694

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(694)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 279

ctgtacttgg	acaaaataag	ttaattctat	ttggttgtcc	attaaagttt	tatgtggcta	60
tgnaccact	ggagctaaaa	attggctttt	aactgtttcc	aaatcagaac	tagcagagga	120
gagaagtaaa	taaagccaat	ggcactccct	tcagaggctc	aaaatggtta	gattttgatg	180
cagatttaac	cttagcgagt	ttcagtcagt	ccatttagat	gatcctgtag	gttcatacaa	240
atacactgaa	ccgttggttt	aacttctctt	ccttcctcaa	agtttatgat	aaagagactc	300
atccctgtat	tgaggagtgc	tgacataagt	tcagatctgc	tcagagtggc	tggttaaggaa	360
cacttaaggt	cagtcagaaa	ataatcaaac	agacttctca	tgtaagcacc	gtgactcaca	420
actaagacac	tggtctgtaa	tcctggaata	ccgctgtctg	aattaacttt	agagctgtga	480
ttttttccta	aaggaaatat	ctctgccaaa	gaagtttcca	gacagntgct	tggtgagatcc	540
ttggggaaaa	ctgggtctttt	tgatccgggt	ctttcangan	taggtngaca	aaagaaatnc	600
aaaaaagnct	atcccacgcn	ttntcacct	gggccagcg	gnnctcctcc	nggggggggn	660
aaacacangg	gactcttccc	ngggctngct	tnnng			694

&lt;210&gt; 280

&lt;211&gt; 441

&lt;212&gt; DNA

<213> Homo sapien

<400> 280

aaaaaacttc	catgcaactt	ctgggtttatt	gtttggcaac	tccacatgat	aaaaaaataa	60
aaacagccca	accgagtttc	ggaattaagt	attcttctag	taagtgattc	aaacttgtaa	120
tatttgccac	aggactgact	tatttattta	ctagctagaa	gctcttaagt	tcacttgttt	180
atcagggcac	atacagaagg	gtttgttaaa	actcgatgtt	aactttacaa	ctttctgacc	240
tgggtgcatga	attctcaagt	actgtatttc	actgtgttgg	tgtgtctgat	ggaaatttcg	300
aggtggtccc	acaaaaatat	tttatgtagt	gtgccttcaa	agagaaccat	ttatttctct	360
tcacttatcg	tcccacaaag	tcacatttgg	tgggtggtcag	ccaagtcgca	tctggtctag	420
ttttactctt	gtcccaattt	t				441

<210> 281

<211> 398

<212> DNA

<213> Homo sapien

<400> 281

aaatttggtta	ggtctgaaga	atctaaaact	gttaatttaa	cccttaactt	gtgcctagaa	60
actacagcac	atataaaata	tgtaaacacc	agcctgttgc	tgtacttttc	tgcttatttt	120
acagcctcaa	atattttctca	ttatcttgtc	acttagttct	tcattgtttct	ccttctgact	180
tttaataatg	gtaataggaa	aacaaaacc	aaagcttttc	agaacttcag	tgtgagggtt	240
cctattttga	caagttaact	tgtaataact	caggttttac	gatgtataat	ttacctata	300
gaccaaacta	actcatggag	atattttgaa	ctattattta	ggtacaaact	ttataaagaa	360
tgtagtatg	tcataaaata	taacattaca	gcttattt			398

<210> 282

<211> 226

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(226)

<223> n = A,T,C or G

<400> 282

aaaacaatat	tctctttttg	aaaatagtat	naacaggcca	tgcataataat	gtacagtgtg	60
ttacnccaat	atgtaaagat	tcttcaagg	aacaagggtt	tgggttttga	aataaacatc	120
tggatcttat	agaccgttca	tacaatggtt	ttagcaagtt	catagtaaga	caaacaagtc	180
ctatcttttt	ttttggctgg	ggtggggggc	cccaggccga	ggctgg		226

<210> 283

<211> 358

<212> DNA

<213> Homo sapien

<400> 283

aaacaaaaat	actcaagatc	atztatattt	ttttggagag	aaaactgtcc	taatttagaa	60
tttccctcaa	atctgaggga	cttttaagaa	atgctaacag	atttttctgg	aggaaattta	120
gacaaaacaa	tgtcatttag	tagaatattt	cagtatttaa	gtggaatttc	agtatactgt	180
actatccttt	ataagtcatt	aaaataatgt	ttcatcaa	ggttaaatgg	accactgggt	240
tcttagagaa	atgtttttag	gcttaattca	ttcaattgtc	aagtacactt	agtcttaata	300
cactcagggt	tgaacagatt	attctgaata	ttaaaattta	atccattctt	aatatttt	358

<400> 284

```
<210> 285
<211> 629
<212> DNA
<213> Homo sapien
```

<400> 285

```
<210> 286
<211> 485
<212> DNA
<213> Homo sapien
```

<400> 286

<210>	287
<211>	340

<213> Homo sapien

cctggagtgcc	aataaccacc	ccctcatacc	acaccctgtg	catacaccag	ccaagccttt	60
cctgggtctgg	gaagggaaga	gaaaaaagac	gcaggccacc	tgggggttct	gcagtctttg	120
gtcagtgccag	ccttctatct	tagctgcctt	tggcttccgc	agtgtaaacc	ttgcctgccc	180
ggaggcagga	ggcccagctg	gacctccgag	ggccatgagc	aggcagcagc	catcttggcc	240
tcaagctttgc	ctttcccttg	agtccctctc	tcccctgggc	tctagccaga	ggtgtagcct	300
gcagatctag	gaagagaaga	gctggggagg	aggatgaagg			340

<213> Homo sapien

aaacagtcctc	tctctcggtgt	tctccttgtc	aaactgttca	tcccagtttc	ctctgaaata	60
gacagcattc	accagaacca	gccttgtaa	tggatccact	gagcccgag	agagcaactc	120
cgcaatttta	ccttctgtct	tttcagctac	ccaggtgttt	atgtgttttc	tggacttctc	180
tacggcgctg	ataaagtaaa	gctcctccat	ctctgcttgg	tgaattttt	ggcaggaatc	240
tctaaaaagt	gagaggaaa	cacaaagact	ttcccaaaag	agcctgttgg		290

<213> Homo sapien

ccacccacgc	ttagggtccc	atcacactga	tgactccggg	tttggcgagc	acaggagcgc	60
aaaccttttc	acattctttc	tgtgatccaa	atttgttttc	gtttccacca	caacctccat	120
accagaatct	tgcacagctt	ttggtgtttg	gatcatagta	ccatttttaat	atgaaatccc	180
tgcaagttcc	ttcgtctttc	ggcaacttgc	atatatctgt	ttcagtgaga	gccaatgggt	240
ctgtgctcac	cattagattg	atggttgaac	tagaagctga	ccttgctggc	tgtggagggtg	300
ggggctgaga	tttctttgta	ctgaaacttc	cgtggtagggt	ggctctgacc	tgagacctca	360
ggtagcagac	cacagccaca	tggtatgtct	gccacgcgag	cagg		404

<213> Homo sapien

<223> n = A, T, C or G

ccaggcgctc	cttgtcgga	tcaggagg	tggccttgaa	ctgctcatgg	gctgtggtca	60
gtccctggat	ctcctcaatg	gtgtgcacaa	tgaagggtgc	ctgcagggtcc	tccatggccc	120
cctccatcca	gttgttgaag	gggtgcagccc	gcttggcata	ctccaagtac	agctggtcaa	180
tgggtctccag	cagtttctcg	gtccgctcca	gagcttccct	tcgcttctga	gttagggccc	240
ccagattgtc	ccactggtca	cagatctttt	ggcaacgggc	gttgacactg	ggtgagtcac	300
aatantccag	ctcattgagc	tcctgtgcga	tggcggcaat	ctgctccaca	cggctcctggt	360

gggcagccag gccactctcg aagg

384

&lt;210&gt; 291

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 291

aaagtttatt	tttactat	tttctact	ttattgtatc	atcaccattg	gtttcataat	60
gtaaatacta	tatgttgaac	aaattaaatg	tcaaaat	ttattaccat	agtccatgtt	120
aatagtggg	ctttcaggtg	tttagagatt	ttttttgtt	ttgttaacat	tcattgcaa	180
agtactagat	gggtgtataac	tctagagttg	aattttaagg	gattccctaa	tatgtatact	240
atctttttat	ctgaagtaat	aaataaaca	tgatcttg			278

&lt;210&gt; 292

&lt;211&gt; 177

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 292

ccttgggccg	gtcattcttg	tccagtttga	taggttcagg	aaattcggtg	tacagctcca	60
cctccgtttc	ctgcttaagt	gcattccgtg	caatcgtctg	gaacgcctgc	tccacgttga	120
tgccctcctt	ggcactggtc	tcaaagtagg	gaatgttggt	tttgcgtgtag	caccagg	177

&lt;210&gt; 293

&lt;211&gt; 403

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 293

aaaaagaagg	acttaggggtg	tcgttttcac	atatgacaat	gttgcattta	tgatgcagtt	60
tcaagtacca	aaacgttgaa	ttgatgatgc	agttttcata	tatcgagatg	ttcgctcgtg	120
cagtactgtt	ggttaaatga	caatttatgt	ggattttgca	tgtaatacac	agtgagacac	180
agtaatttta	tctaaattac	agtgcagttt	agttaatcta	ttaatactga	ctcagtgtct	240
gcctttaaat	ataaatgata	tggtgaaaac	ttaaggaagc	aaatgctaca	tatatgcaat	300
ataaaatagt	aatgtgatgc	tgatgctggt	aaccaaaggg	cagaataaat	aagcaaaatg	360
ccaaaagggg	tcttaattga	aatgaaaatt	taattttggt	ttt		403

&lt;210&gt; 294

&lt;211&gt; 305

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(305)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 294

aaagcaatct	ggcatgggtg	cctgtagtga	agcagaggat	cataacataa	gtaaactctc	60
tatgggtgga	agttggagag	aaggacattt	tggttttgta	catgaaaaga	ctctccagat	120
agaaacagat	tctgcccata	agtgaataaa	aatgctttgt	gggggtaatg	agtgacttat	180
agtattcagg	cagatgttac	ataactgcta	attaagtttc	cctggattga	ntttanncaa	240
anaattgaaa	gtngattttg	gtcangtgtc	agnaaactac	tgccataaaa	cccatatcnt	300



accca

305

<210> 295  
 <211> 397  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(397)  
 <223> n = A,T,C or G

<400> 295  
 cctatctggt tggccttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60  
 caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120  
 ccactatgat gggaaacatt tcattcccaa aaaaaaaaaa aaaaaaaaaat ttctcttctt 180  
 cctgttattg gtagttctga acgttagata ttttttttcc atgggggtcaa aaggtagcta 240  
 agtatatgat tgccgagtg gaaaaatagg gacagaaatc aggtattggc agtttttcca 300  
 tttncatttg tgggngaatt tttaatataa atgcggagac gtaaagcatt aatgcnagtt 360  
 aaaatgtttc agtgaacaag tttcagcggc tcaactt 397

<210> 296  
 <211> 447  
 <212> DNA  
 <213> Homo sapien

<400> 296  
 ccacacctga tgttgaagtt gtcgtggggc ccgaagacgt tgggtggggat gacagcgggtg 60  
 aaggtgcagc cgtactgctg gaagtaggcc ctgttctgca cgtcgatcat cctcttggca 120  
 tacgagtacc caaaattgct gttgtgggga ggccatttgt ggatcatggt ctcatctatc 180  
 gggtaggtcg tcttgtcagg gaagatacag gtggacaggc aggacaccac cttgcgggag 240  
 cccacacctga aggccgagtg caggacgttg tcgttcatgt gcacgttttt cctccagaag 300  
 tccaaattgt atttgatatt ccggaacagg cccccacca ttgcagcaag atggatgacg 360  
 tgtgtgagtt ggaccttctc aaacagggcg cgggtctgtg ctgtatccgt gagatcggcg 420  
 tcttttagagg agacaaacac ccagtcc 447

<210> 297  
 <211> 681  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(681)  
 <223> n = A,T,C or G

<400> 297  
 aaataacagc atgtaaaata ttaaaatata agctttcaaa aataaataca taaataagta 60  
 gaaccctcgt aagaaatagt caaacacatt aagtccttcc cagctgtccc tagaaagctg 120  
 ctgttctctt ttatcttttc agctctggta agggcaggga ccaccctgca ggaagtgtca 180  
 atgatacgct gataagcttc ttacttctct cctgtcagtt ggtgctcccc ctgtgatgag 240  
 aaaagggtta ctgttgacag tgctaaggaa ggctgctctt ctgtcactct gaagttgctt 300  
 ggagggatgt ccccatgcag actctctccc agccctccac tcagggaagg tctgtctgta 360  
 cccactgcct tctatagcag aaaacttgca ctctggaatg cttttttttt ttttcaagaa 420

09649811-092300

```
<210> 298
<211> 353
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G
```

```
<210> 299
<211> 560
<212> DNA
<213> Homo sapien
```

```
<210> 300
<211> 165
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(165)  
<223> n = A,T,C or G
```

```

<400> 300
aaaaactaca taggggtgtg tgtgtgtgtg tatgtttatt ttatacacac atatttgtat      60
attctaatat attactaagg caattttaat gaattaccat gtatataaaa aaatatctgn      120

```

```
<210> 301
<211> 438
<212> DNA
<213> Homo sapien
```

```
<210> 302
<211> 172
<212> DNA
<213> Homo sapien
```

```
<210> 303
<211> 552
<212> DNA
<213> Homo sapien
```

```
<210> 304
<211> 601
<212> DNA
<213> Homo sapien
```

<400> 304						
cctttgattc	ttggtagtac	attgcatgta	aaatgtttat	aagaagctac	ttttccttca	60
tgggaagaaa	ttcccacatg	agattcataa	attcttagac	tccgtggcct	ctttgggtccg	120
gaatgcttaa	actcatatga	gtgttctgga	tcccagtgta	tccaatcata	attcacatta	180
tcaccttcac	gaaccacata	ctttgtcccac	qgtqaaatac	gatacaagat	ctctccgcctt	240

```
<210> 305
<211> 401
<212> DNA
<213> Homo sapien
```

```
<210> 306
<211> 313
<212> DNA
<213> Homo sapien
```

```
<210> 307
<211> 366
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G
```

<400> 307						
aaagatgctg	ntaatgaaca	ttacggacaa	ttcatggtgt	ggctagtgtg	taacacttca	60
gctgattttt	cttatgagat	ggaaaaaaaa	aatcagccaa	gtaagggcac	atcttcactt	120
catttataag	tcagcatcca	aggtaaaaga	attctctgtt	ggacttgaca	tcactcccat	180
cctctgatac	tcgcctactc	tcttctcaaa	gaagttagnt	ctttccttcc	antgaaatat	240
tctcataaaa	gtcaaattgg	ttctctactc	tgaaaacctt	gctaaaaccc	aattccagca	300
taagtttgtc	tgncacaaac	ncaatgnatt	gcttcattaa	antgcaattc	atcccaatga	360
gcttcc						366

```
<220>
<221> misc_feature
<222> (1)...(534)
<223> n = A,T,C or G
```

```
<210> 309
<211> 164
<212> DNA
<213> Homo sapien
```

```
<210> 310
<211> 131
<212> DNA
<213> Homo sapien
```

```
<210> 311
<211> 626
<212> DNA
<213> Homo sapien
```

<400> 311						
cctatgtgcg	ccagtttcag	gtcatcgaca	accagaacct	cctcttcgag	ctctcctaca	60
agctggaggc	aaacagtcag	tgagagtgga	ggctccagtc	agacccgcc	gatccttggg	120
cacctggcac	tcaagcactt	tgacgatgt	ctcaaccaac	atctgacatc	tttcccgtgg	180
agcaacttcc	tgctccacgg	gaaagaggtc	gatggattta	ccccggacc	cataagtctg	240
ttcatcctgc	tgaagtcccc	tccccattgc	tccttcaagc	caaaactaca	ctttgctggt	300
tcctgtcccc	tctgagaaag	gggatagaaa	gctccttcct	ctatgtcttc	ccatcgagat	360
ctgttctggg	gatggagctt	ccaacttcct	cttgccagcag	gaaaqaatgc	tqctcacccct	420

tctgtcttgc	agagtgggat	tgtgggaggg	attggcagcc	ttcttctcca	ccacctgtcc	480
agcttcctcc	tggtcagggc	tgggaccccc	aggaatatta	tgttgccgtg	tgtgtgtgtg	540
tgtgtgtgtg	tcttctttta	gggagcagga	gtgcatctgg	taattgaggg	tagatgttgt	600
gtgtgctggg	gaggggtcct	tctgtt				626

<210> 312  
 <211> 616  
 <212> DNA  
 <213> Homo sapien

<400> 312						
aaaccaaaga	aattaagaaa	aaagacttca	ttgcttgaat	gacgcgaaca	gctgtctgag	60
tcacctagac	tttaacacca	cctggggccc	tgggaatgac	gctgacgaga	gatctgcaca	120
tagtaggcgt	gggctccaaa	tgtgctcatc	agctgacttc	acatcctcac	aagtcagcct	180
cagatatgac	ccaagggata	cgtaccatct	cttcttgaaa	cagcgtgtca	aattatatat	240
atgtatgcaa	aaaagagtaa	tgtactaagc	aaaccaagtt	tcgtcttttt	cttctgaatc	300
tggttttaat	gtgacctgtc	atccccatct	ttcgaattta	tgagctccat	cttctctaga	360
ctgttaactt	cttgaggaaa	acatgctatt	ttaccacctt	tcactgctga	atccctagcc	420
cttaagcaca	gtctctggca	cagaataaat	acgaaatgaa	tgagtgaatg	aatggatgga	480
tgggtgaaga	gaaaaggcaa	tgcacaagat	ttacctatca	aaatccacca	atgggcctta	540
aaaatggttt	tgtcagtaga	gatgctgaat	atattcatat	aatacattta	tttcaatact	600
attaagaatt	ctagt					616

<210> 313  
 <211> 553  
 <212> DNA  
 <213> Homo sapien

<400> 313						
aaaaaatggc	agcattgtac	ttgaatcaga	aagcttactg	ggatttcctc	atcgaaagta	60
gagattgcag	ctaattcctag	taccttttgt	tagtaattac	ttaaggcaca	gtgcaaagtt	120
gaaggactgt	tttggtagaa	actcaagcca	gctacatgta	tgcttgccct	ggtatccttg	180
ctagagcaca	tgcgggtata	ataccgtatt	atacacaaca	aggccaccct	gttgtatctg	240
tgttacaatt	aaacatcagt	cccagaaaag	gaaccctagt	catttattat	aggtgcccac	300
ctctgacttg	gaacaaaatg	ccactccatt	catgttcatt	tttgtcctgg	agaggattta	360
tttcctaaaa	gattctgaaa	gccaacaaat	caatgtagtt	cttcatagag	aacttaagag	420
taaggctcaa	aatggcctca	aaatgggctt	cttggatgac	ttccaacagt	gactggcctt	480
ctcaacactg	cagatgtctg	agcactacca	taacctaacg	aagtgaggaa	ggaggaggca	540
aattgggtatt	ttt					553

<210> 314  
 <211> 330  
 <212> DNA  
 <213> Homo sapien

<400> 314						
ccagcgactc	cagcgggtggc	agcaggcagt	gcacgtactc	tgggcctccc	accagggtag	60
tgaaggttcc	cagctgttct	gccagggccca	ggaggacctc	atcttcatca	tagatggtat	120
ctgtaaggaa	aggcagaagc	tacttctggg	tcctttcaac	cccaagggcc	aaggcgatgg	180
tggacagctt	cttgatgctg	ttgaggcgaa	gctgaacgtc	ctcattgcgg	agttcgtcta	240
tgagcaccgc	gatggggtag	agcgagtcgt	cgccgtcggc	cgccgccatc	ttggctccgt	300
ccctttcctg	tcagactgcg	gccagcgtcg				330

<210> 315



<400> 319

<400> 320

<400> 321

<400> 322

aaaaagaagg acttaggggtg tcgttttcac atatgacaat gttgcattta tgatgcagtt 60



```
<210> 323
<211> 298
<212> DNA
<213> Homo sapien
```

```
<210> 324
<211> 78
<212> DNA
<213> Homo sapien
```

```
<210> 325
<211> 174
<212> DNA
<213> Homo sapien
```

```
<210> 326
<211> 679
<212> DNA
<213> Homo sapien
```

<400>	326								
tgaaa	tacctcttaa	aataatttga	tccccagcgt	ttgctctttt	tgaagtaacc				60
actct	taaaaaggat	ggntgccaa	atggaaagtc	ttactgggtt	ttcatgttaa				120
ctttt	ggacataact	atgaattttg	tatacaatgc	acttcatgaa	aagtgtggc				180
cagat	tgccacaag	tgtgatcttg	aagtctaaa	catttgtcca	tgtaagcttc				240
gcgt	taactgagtt	attcaagtag	cagtacttaa	agatacaatt	cttgaagcag				300

```

tttcaatggg ttctgatcca aataatcagt ttctgaacat tactacttca cataatagag 360
tccatcttca gtttcttctc actttctctt tcccttttgg gtttctttt tgtggcctga 420
ggccaccagt tctttgggta ctatcaagat acttccatca tgggtacact ggagagcata 480
gtggttggga ttgactggcc taccttggtc atctcttaat ctactaaaaa tatcatgata 540
aaggtcatgc agtttctgtt tcattatgtt aatagctttg gtacattgtg cttgctctct 600
cttaanagtt tccttctttg cttgcaagtt acatacatca tcttctaaat tcaaaattat 660
gtccattttg gcgtttacc 679

```

```

<210> 327
<211> 619
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(619)
<223> n = A,T,C or G

```

```

<400> 327
aaaataagtt actggtaaat ggagttgcat tctatagtca cttataaat attaacaaaa 60
tatttataac tggaacctta atgaaatgta tcatcaaadc aggtaaaagc aacttgtccg 120
cagttaccaa agcctanata cgcgttagat gcgccttttc cggcctgtgc gtctgctctg 180
gttctcttca ggcagcaaag ctggggaagg aagctcaggc aggagcctcc ccgacgccac 240
aacggcacia gcagcagcta aagcaccgca ctttgctcta ctaacctttt acttaaatga 300
ggttttgcca aatccacatc tggaaccgcg tcacacccat ttgcaaggat gtttgttctt 360
tgatgaaact gcatctctac tgcacatgag ggctttcatt gtaggacaag aggagagttc 420
gtttattttt gtaactgttt tacatgttcc gattagttaa tcggtagctt atgtcatttg 480
ctatgcctgn agncttctaa tctctcctta ctaaaacatt acttcaaatt tgaattgacc 540
cttggttata atttatttag ccgggatttg tgtgtcattg tagagcaact ctaattcaag 600
aatagtgaca actttttaag 619

```

```

<210> 328
<211> 132
<212> DNA
<213> Homo sapien

```

```

<400> 328
aaatccaaat acaaaaagcat agtctctgca agattttgtt ctttgaattt cttgatattg 60
taattgatta ttgataactg tcatcatgaa attatctctc aataataaga taaataaact 120
agcatatgaa tc 132

```

```

<210> 329
<211> 854
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(854)
<223> n = A,T,C or G

```

```

<400> 329
ccttgaggta actattgcaa aatatacagt gtaagttcag tctgatggaa accccagatt 60
catcaaggat acaaatctac agtagcccaa tggcggtttc atagtgtata atttattatc 120

```



ctctgtgtaa	ctggttacat	ttt gatggtt	gtctatactc	aactggatat	gtgtatgtaa	360
attagaaaat	acatacctat	ccagacataa	atgctaagta	acattttttt	cttcctccaa	420
ctacataatt	tgtagctcat	catttttctt	taatcctttc	ctaacttgtc	gcagcagttt	480
gaatttccca	gatatttatg	tttgaacata	atgggtcaga	atacatattt	gaacatcata	540
gttgtatata	ttttt					555

<210> 333  
 <211> 460  
 <212> DNA  
 <213> Homo sapien

<400> 333						
aaattttcttt	caacagtcta	ttgggggtcca	aaaagcatat	atcaaaaacaa	aaataacaaa	60
agcaaaaacaa	aatgctacat	gtaaaagcta	aagaaagaaa	atgcagcata	ttcaggttct	120
ttttcttgag	gtacctatat	aaattttaatc	acctgccccca	aagtcctctc	gttaggttaa	180
aaacacaatg	cgctcctgggg	agccaattgc	ccggcacgctc	ttattactga	gaaagtgcaa	240
gaatgctgat	catcttatgc	agcatactaa	aggatgattt	actctttaca	aaatagagct	300
taagtatcaa	cctgatggaa	gttagaaaat	taaaaacatt	taagtagaat	catctctctc	360
tctatttttg	agatcctgca	gcaaaaagcc	tcccaaatca	actttcaaag	ttctgccatt	420
aaggaatggt	ggttctcttg	taaaattcag	agatctcttt			460

<210> 334  
 <211> 190  
 <212> DNA  
 <213> Homo sapien

<400> 334						
ccaaggaagg	ctgtgctcta	gccccatctga	ccctgtctgc	aaaccacctg	ggggacaagg	60
ctgatagaga	cctgtgcaga	tgtctctctc	tgtgcccctc	actcatctca	ctggatctgt	120
ctgccaaccc	tgagatcagc	tgtgccagct	tggaagagct	cctgtccacc	ctccaaaagc	180
ggccccaagg						190

<210> 335  
 <211> 394  
 <212> DNA  
 <213> Homo sapien

<400> 335						
aaatttgac	agacttctag	cggacagtta	cttctcaaga	attttctata	caaaagctgt	60
gccaggcata	tattttctca	ccaggacaca	tggggcagcg	gacccctggt	gtcagtaaga	120
acacaccag	aatgatataa	ccagatattt	ttcagtttct	aaattaaggc	atattcaaaa	180
aattccatgt	acaagtttac	accacttttc	taagttactc	accaggtaat	taaagcagat	240
tcacagatga	attactctca	gtttaactat	atgcaacaac	catgccaata	acttttcttc	300
taaattttgc	ataataatgg	ttaaaaaaag	tggtagttta	actatcatgt	tcacaattgt	360
catttttcaa	ggcagtagaa	gaccaagaca	tttt			394

<210> 336  
 <211> 429  
 <212> DNA  
 <213> Homo sapien

<400> 336						
aaaagctatc	accattgtag	tagaatcadc	cttctttttt	gaaatttgaa	gcattcccagg	60
cttaaaatct	tgtgttttcag	aaagacagtt	tataccatga	ctgcttaatt	atccccccaa	120

agaccttctg	attgaagtca	tgtacagttc	agtggcctaa	attctctgcc	tttttaactt	180
gctttgcaag	cctactctga	aaataagtta	tttagtcaag	ttattctcaa	agatgtccca	240
gttgccctaga	aaggatcaaa	tggaacattt	gacacacata	ctcaaaaaaa	tgtaactgac	300
tataaaact	ttaacctaat	catctgtatc	aaactttcta	aaaatcaaat	ctcaggattg	360
ttccacttta	gagattctat	gtaaagttta	tataactata	cttgtcaaat	agcacctatc	420
tatgcattt						429

&lt;210&gt; 337

&lt;211&gt; 373

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 337

aaagatgctg	ttaatgaaca	ttacggacaa	ttcatggtgt	ggctagttgg	taacacttca	60
gctgattttt	cttatgagat	ggaaaaaaa	atcagccaag	taagggcaca	tcttcagttc	120
atttagaagt	cagcatccaa	ggtaaaagaa	ttctctgttg	gacttgacat	cactcccatac	180
ctctgatact	cgctactct	cttctcaaag	aagttagtct	ttccttccag	tgaaatattc	240
tccataaagt	caaatgggtt	ctctactctg	aaaaccttgc	taaaaccag	ttccagcata	300
agtctgtctg	ccacaaactc	aatgtattgc	ttcatcagag	tgcaattcat	cccaatgagt	360
ttcacaggca	agg					373

&lt;210&gt; 338

&lt;211&gt; 366

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 338

ccatcccctt	atgagcgggc	gcagtgatta	taggctttcg	ctctaagatt	aaaaatgccc	60
tagcccactt	cttaccacaa	ggcacacct	caccoccttat	ccccatacta	gttattatcg	120
aaaccatcag	cctactcatt	caaccaatag	ccctggccgt	acgcctaacc	gctaacatta	180
ctgcaggcca	cctactcatg	cacctaatg	gaagcgccac	cctagcaata	tcaaccatta	240
accttcccctc	tacacttatac	atcttcacaa	ttctaattct	actgactatc	ctagaaatcg	300
ctgtcgccctt	aatccaagcc	tacgttttca	cacttctagt	aagcctctac	ctgcacgaca	360
acacat						366

&lt;210&gt; 339

&lt;211&gt; 319

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 339

ccttcccctcc	ccaccaccat	caacctcttc	aaaacctact	ccctccctct	aagtatctct	60
caacacagta	tgtctggggc	tagatttcaa	aaccacgta	atgaaaaagt	cagttttaca	120
agcctaattt	tgttggtttt	ttttttatat	caattaacgt	taaaaattgc	atcaactatt	180
taattcatga	ggatctttca	tattaaaatt	taaccttaag	attcaaccgc	catgtgcttt	240
tataaaggaa	acatttttta	gagacgtctg	agctcacttt	tacatggtgg	tgccactgc	300
cgttaatggtt	tgtgatttt					319

&lt;210&gt; 340

&lt;211&gt; 278

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

<221> misc\_feature  
 <222> (1)...(278)  
 <223> n = A,T,C or G

<400> 340  
 ctaataaaaat gaattaacca ctcatcattc natctaccca cccnatccaa catctccnca 60  
 tgatgaaacn ncggctcact ccttggcgcc tgctgatcc tccaantcac cacaggacta 120  
 ttcctagcca tgcactactn accagacncc tcaacngcct tttnatcaat nggncacatn 180  
 actcganacn taaatnatgg ctgaatcatc cgctacctnc acgccaatgg cagcctcaat 240  
 attctttatg ctgcctcttc ctacacatgc gggcgagg 278

<210> 341  
 <211> 400  
 <212> DNA  
 <213> Homo sapien

<400> 341  
 ccagcatggg gctgcagctg aacctcacct atgagaggaa ggacaacacg acggtgacaa 60  
 ggctttctcaa catcaacccc aacaagacct cggccagcgg gagctgcggc gccacactgg 120  
 tgactctgga gctgcacagc gagggcacca ccgtcctgct cttccagttc gggatgaatg 180  
 caagttctag ccggtttttc ctacaaggaa ttcagttgaa tacaattctt cctgacgcca 240  
 gagaccctgc cttttaaagct gccaacggct ccctgcgagc gctgcaggcc acagtgcgca 300  
 attcctacaa gtgcaacgcg gagggagcag tccgtgtcac gaaggcggtt tcagtcaata 360  
 tattcaaaagt gtgggtccag gctttcaagg tggaagggtg 400

<210> 342  
 <211> 536  
 <212> DNA  
 <213> Homo sapien

<400> 342  
 aaagaacaat gggaaaaaca agtccgtgtt ctcacagatg ctgtcgatga cattaacttcc 60  
 attgatgact tcttggtgtg ctcagagaat cacatttttg aagatgtgaa caaatgtgtc 120  
 attgctctcc aagagaagga tgtggatggc ctggaccgca cagctggtgc aattcgaggc 180  
 cgggcagccc gggtcattca cgtagtcacc tcagagatgg acaactatga gccaggagtc 240  
 tacacagaga aggttctgga agccactaag ctgctctcca acacagtcac gccacgtttt 300  
 actgagcaag tagaagcagc cgtggaagcc ctcagctcgg accctgccc gccatggat 360  
 gagaatgagt ttatcgatgc ttcccgcctg gtatatgatg gcatccggga catcaggaaa 420  
 gcagtgtctga tgataaggac ccctgaggag ttggatgact ctgactttga gacagaagat 480  
 tttgatgtca gaagcaggac gagcgtccag acagaagacg atcagctgat agctgg 536

<210> 343  
 <211> 646  
 <212> DNA  
 <213> Homo sapien

<400> 343  
 aaaacttcta ttcataaaaa gacataaaga aaacagtcaa gccacagact aggtgtaata 60  
 tctcaatata tatatccgac aagagaattg catctagaat gtataaagaa tttctatgac 120  
 ccaattatag ctatcaggga tatacaaat aaaacaaaaa tgaaacatca ctacacaccg 180  
 attggaatgg ttaaaaagga aaaatactga caacaccaat atttgtaaag acaggaggta 240  
 ccagaactct cattcattat attcataaat tgacaaatat aaaaactgct atagtagggc 300  
 agtcttcctt agaaagggat tgtgggcatg acagagaaca atattaatct gtccattata 360  
 ttccttaact gtaaaatgga gaccatatgt tccaccagct tcacttggtg attatgatag 420

```
<210> 344
<211> 383
<212> DNA
<213> Homo sapien
```

```
<210> 345
<211> 263
<212> DNA
<213> Homo sapien
```

```
<210> 346
<211> 132
<212> DNA
<213> Homo sapien
```

```
<210> 347
<211> 564
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(564)  
<223> n = A,T,C or G
```

<400> 347  
cctgggtatc cagggaggct ctgcagccct gctgaagggc cctaactaga gttctagagt 60  
ttctgattct gtttctcagt agtcctttta gaggccttgc atacttggtc tgcttcaagg 120





```

agcatcttat gcctttgctg tggtagaat tctggccaag caccctgaag gacagatgct 300
ggtgatggnc tttggcactt atgctggcaa actgagcttc tttcccttga gtacttttgn 360
aatgtacaag tagaagaagt cacaagtata ggatgggtctg gactacgccg gccaccacag 420
caatgaggtc aaagaagccc tcaaagnaga agcgnccaga tccagttgac aagatacaaa 480
gcacgataga ggccca 496

```

```

<210> 351
<211> 109
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(109)
<223> n = A,T,C or G

```

```

<400> 351
ccatagttaa gcctgggaat gagtgttact gcagcatctg ggctgccanc cacaggaag 60
ggccaagccc catgtagccc cagtcatect gccagcccc gcctcctgg 109

```

```

<210> 352
<211> 384
<212> DNA
<213> Homo sapien

```

```

<400> 352
ccttcgagag tgacctggct gcccaccagg accgtgtgga gcagattgcc gccatcgcac 60
aggagctcaa tgagctggac tattatgact caccagtggt caacgcccggt tgccaaaaga 120
tctgtgacca gtgggacaat ctggggggccc taactcagaa gcgaagggaa gctctggagc 180
ggaccgagaa actgctggag accattgacc agctgtactt ggagtatgcc aagcgggctg 240
cacccttcaa caactggatg gagggggcca tggaggacct gcaggacacc ttcattgtgc 300
acaccattga ggagatccag ggactgacca cagcccatga gcagttcaag gccaccctcc 360
ctgatgccga caaggagcgc ctgg 384

```

```

<210> 353
<211> 345
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

```

```

<400> 353
ccttggtcag gatgaagtng gctgacacac cttagcttgg ntttgcttat tcaaaagana 60
aaataactac acatggaaat gaaactagct gaagcctttt cttgttttan caactgaaaa 120
ttgnacttgg ncacttttgt gcttgaggag gccattttc tgccctggcag ggggcaggta 180
tgtgccctcc cgtgactcc tgcgtgtgctc tgaggtgcat ttctgttgn ncacacaang 240
gccangntcc attctccctc ccttttcacc agngccacan cctnntctgg aaaaangacc 300
agnggtcccc gaggaaccca tttngctct gcttggacag canag 345

```

```

<210> 354
<211> 712

```

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 354

ccatctacaa	tagcatcaat	ggtgccatca	cccagttctc	ttgcaacatc	tcccacctca	60
gcagcctgat	cgctcagcta	gaagagaagc	agcagcagcc	caccagggag	ctcctgcagg	120
acattgggga	cacattgagc	agggctgaaa	gaatcaggat	tcctgaacct	tggtacacac	180
ctccagattt	gcaagagaaa	atccacattt	ttgccccaaa	atgtctattt	ttgacggaga	240
gtctaaagca	gttcacagaa	aaaatgcagt	cagatatgga	gaaaatccaa	gaattaagag	300
aggctcagtt	atactcagtg	gacgtgactc	tggaaccaga	cacggcctac	cccagcctga	360
tcctctctga	taatctgcgg	caagtgcggt	acagttacct	ccaacaggac	ctgcctgaca	420
accccagag	gttcaatctg	tttccctgtg	tcttgggctc	tccatgcttc	atcgccggga	480
gacattattg	ggaggtagag	gtgggagata	aagccaagtg	gaccataggt	gtctgtgaag	540
actcagtggt	cagaaaaggt	ggagtaacct	cagcccccca	gaatggattc	tgggcagtggt	600
ctttgtggta	tgggaaagaa	tattgggctc	ttacctccca	atgactgccc	taccctgcgc	660
gaccccgctc	cagcgggtgg	gggattttct	tggaactatga	tgctggggga	gg	712

&lt;210&gt; 355

&lt;211&gt; 385

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 355

cctcatagcc	gcttagcaca	gttacagaat	gtctgaaggg	gacagtgtgg	gagaatccgt	60
ccatgggaaa	ccttcggtgg	tgtacagatt	tttcacaaga	cttggacaga	tttatcagtc	120
ctggctagac	aagtcacac	cctacacggc	tgtgcatggg	gtcgtgacac	tgggcctgag	180
ctttgtctac	atgattcgag	tttacctgct	gcagggttgg	tacattgtga	cctatgcctt	240
gggatctac	catctaaatc	ttttcatagc	ttttctttct	cccaaagtgg	atccttcctt	300
aatggaagac	tcagatgacg	gtccttcgct	acccaccaa	cagaacgagg	aattccgccc	360
cttcattcga	aggctcccag	agttt				385

&lt;210&gt; 356

&lt;211&gt; 347

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 356

aaatgagata	aagaaagtct	cctttttgttt	ttagatggaa	aagaaagcac	aagttttttc	60
tacctgtgaa	tgaacttttg	tgacctatat	gtgccattca	tgacgcattt	ttgttcatat	120
tggtcttagaa	ttcagtgcac	gaatatcatt	acattcttat	atctaacatt	cctagttagc	180
tttgattcaa	aatatacaaa	atctgataca	tgaatacttt	gctagattaa	tgacttgatc	240
atctttggaa	tgagtaggca	agacgatttt	tacctattat	ttctatgttg	tgggtaaatgt	300
taaaactaaa	tacagatgat	aataattgct	atttcacagt	gatgttt		347

&lt;210&gt; 357

&lt;211&gt; 313

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 357

aaagtaatca	acctctctgt	ccttccatta	gtctggatcg	tctaaagatt	gttttatttt	60
tagaggctca	tccggtcaga	tgtagtgat	gtgaaatttc	aggccaggcg	tgacgtcagc	120
gtggcatttg	aaacagctcc	atgttgccct	tagtgctgtc	tgaccgaagc	ctgtctgtcc	180
tcagatataa	agatgaagcg	cagctgtata	aagaagagca	cctgaggaat	cggcagcacc	240

ctcactgcta cggttcagtac atgatcgcca tcatcaacaa ctgccagacc ttcaaggaat 300  
ccatagtcag ttt 313

<210> 358  
<211> 403  
<212> DNA  
<213> Homo sapien

<400> 358  
aaaaagaagg acttaggggtg tcgtttttcac atatgacaat gttgcattta tgatgcagtt 60  
tcaagtacca aaacgttgaa ttgatgatgc agttttcata tatcgagatg ttcgctcgtg 120  
cagtactgtt ggttaaatga caatttatgt ggattttgca tgaatacac agtgagacac 180  
agtaatttta tctaaattac agtgcagttt agttaatcta ttaatactga ctcaagtgtct 240  
gccttttaaat ataaatgata tgttgaaaac ttaaggaagc aaatgctaca tatatgcaat 300  
ataaaatagt aatgtgatgc tgatgctgtt aaccaaaggg cagaataaat aagcaaaatg 360  
ccaaaagggg tcttaattga aatgaaaatt taattttgtt ttt 403

<210> 359  
<211> 411  
<212> DNA  
<213> Homo sapien

<400> 359  
aaataaatac ttagaacacg acttggtctcc tacaagcatc tggactctag gtctcagtac 60  
tggagtgtct caccatgagg cccacgcag ggacgccacg gtccctccc acccgtgat 120  
caagacacgg aatcggtgc cgatggttg atcgcaatgc gcccttttc tagagccttc 180  
cccggccatc tacaggcagg atgcggctgg gaaaaagaca actggaattt ctgaagggtt 240  
gatggtccgc acggttgagg attctacgtg gttctcttg ttcctctgg gtgtgtgtgt 300  
gtggaggagg ccgcggccct tagatcacct tcttgagctc gtcgtacagg accagcacga 360  
aggcgcccc catgccccgc aggacgttg accacgcacc cttgaagaag g 411

<210> 360  
<211> 378  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)... (378)  
<223> n = A,T,C or G

<400> 360  
cctcttcagg ggcccagacc agggacaggg ccttggtttc cttctccctg gcttctgcct 60  
cagctctgtc cctctcatcc gcgtatttg aagagatgtt tttctcctcg gctaacaact 120  
gatcaaattt cctctgcttc tttccagggt tggacacgag ttgccgctgg ttgtccaaat 180  
caacaaccag gtcgtccagc tccgtctgaa gcctgttctt ggtcttttcc agtttatcat 240  
aagcggccgc cttctcctcg tactgctggg tgaggntctc gatctccttc tggaacctct 300  
tcttcccctc ttccagagct tccacgngc tggcaaagtc ctgcagcttc ttcttcgagt 360  
cggagagctg gatgttga 378

<210> 361  
<211> 372  
<212> DNA  
<213> Homo sapien

&lt;400&gt; 361

aaatactggg	ggccattaag	agtggatgta	gctaagagct	tagctaacat	tgccttttca	60
ctctatTTTT	ctcagatatt	gtaagcattc	tgTTTTTcaa	tattgtagtt	aattttttgg	120
ctttcaacag	cagccctagt	aatgggtggag	ttgttaatta	atgtgtatat	tgtactgaat	180
ttctgtcagt	taaggggttc	actgcttttg	tggaaattgg	tggaaattgc	tagcagggtc	240
cacgatgttt	atTTTTTct	ccatgtttgta	tatcattacc	atttcacata	cgcgTTTTcta	300
TTTTTcttcc	tctcctcctg	atctccttaa	aaatgaatct	agagttgggtg	gctTTTTtccc	360
cctcctcttt	gg					372

&lt;210&gt; 362

&lt;211&gt; 544

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 362

cctgagtcac	ctagcatagg	gttgcagcaa	gccctggatt	cagagtgtta	aacagaggct	60
tgccctcttc	aggacaacag	ttccaattcc	aaggagccta	cctgagggtcc	ctactctcac	120
tggggTcccc	aggatgaaaa	cgacaatgtg	cctTTTTtatt	attattttatt	tggtggTcct	180
gtgttatTTa	agagatcaaa	tgtataacca	cctagctctt	ttcacctgac	ttagtaataa	240
ctcataactaa	ctgggtttgga	tgccctgggtt	gtgacttcta	ctgaccgcta	gataaacgtg	300
tgccTgtccc	ccaggTgggtg	ggaataaattt	acaatctgtc	caaccagaaa	agaatgtgtg	360
tgTTtgagca	gcattgacac	atatctactt	tgataagaga	cttcctgatt	ctctaggTcg	420
gttcgtgggtt	atcccattgt	ggaaattcat	cttgaatccc	attgtcctat	agtcctagca	480
ataagagaaa	tttcctcaag	tttccatgtg	cggttctcct	agctgcagca	atactttgac	540
atTT						544

&lt;210&gt; 363

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 363

aaactggTTa	tgacaaaagc	cttttagttgt	gtttcttgaa	ctataaagaa	aacaaatTTt	60
ggcagTcttt	aagtatatat	agcttaaaaat	ataatTTtta	gcattttggca	ccatagtTat	120
gccattatat	ttgattttTgc	attactgttt	cacaatgaag	ctttctTTtaa	ggctttTgatt	180
tttatgatta	tgaaagaaat	aaggcacaaac	cacagTTTTt	ctttctTTaaa	tttcatcact	240
gttgatgtgg	ttctttTgtg	ttaaaaaaa	aaagtgcac	tatcaaaact	aaaaaattat	300
agagtaatat	tgccgtTctg	ctgatttt				328

&lt;210&gt; 364

&lt;211&gt; 569

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 364

cctggggcacc	tctttgcttg	aaatatggca	agacttggaa	aaatgtttgc	ccttagaatc	60
tatctcacta	ctttagttag	ttgtctcctt	tgggcctggg	cacagttctg	gccctgatct	120
ggaacagact	cccttttcta	aaactgaact	tgaccacatc	aaaagtttTg	aaaacaatct	180
ccatggtaat	taaactTgca	ttcaacacca	tatggtaaca	gaagatggca	aaggataaga	240
ttcagatctt	agatctttcc	aagtagggca	tgttagatga	tagaaggatt	agttgcaagc	300
tggatctgag	ctcaggcttg	ggcatgaagg	aaactgtctc	ccatgtgggtt	tggaagagtt	360
aggggctccc	tgagctctat	tgtgaactat	acgggtttca	tccaaggaaat	ggatgatgtg	420
gggcataaaa	ccattcttca	gacaactgaa	gatggTcccc	ttctgtagcc	agaaacacta	480

003230 "T" 864960

```
<210> 365
<211> 151
<212> DNA
<213> Homo sapien
```

```
<210> 366
<211> 508
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G
```

```
<210> 367
<211> 382
<212> DNA
<213> Homo sapien
```

```
<210> 368
<211> 174
<212> DNA
<213> Homo sapien
```

ccttctccct	ctttgacaag	gatggagatg	gcactatcac	caccaaggag	ttggggacag	60
tgatgagatc	cctgggacag	aaccccactg	aagcagagct	gcaggatatg	atcaatgagg	120
tggatgcaga	tgggaacggg	accattgact	tcccggagtt	cctgaccatg	atgg	174

&lt;210&gt; 369

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 369

aaatctcatg	ggttctatta	aaaaaatata	tatatagggc	cccaatccat	tgccatcaaa	60
ttgcccttgg	acttttccaa	ggtatattat	ggggttttat	gcaaaattcc	aagctaccat	120
gtaacttttt	ttaaccattt	aacaaggagg	gggaactggt	tcctaccttc	tttacctgtt	180
gtgcattggt	gtgggtccaga	aatgccaaac	cttttt			216

&lt;210&gt; 370

&lt;211&gt; 344

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 370

ccttggtcag	gatgaagttg	gctgacacag	cttagcttgg	ttttgcttat	tcaaaagaga	60
aaataactac	acatggaaat	gaaactagct	gaagcctttt	cttgtttttag	caactgaaaa	120
ttgtacttgg	tcacttttgt	gcttgaggag	gccatttttc	tgcttggcag	ggggcaggtc	180
tgtgccctcc	cgctgactcc	tgtgtgtgcc	tgagggtgcat	ttcctgttgt	acacacaagg	240
gccaggctcc	attctccctc	cctttccacc	agtgccacag	cctcgtctgg	aaaaggacc	300
aggggtcccg	gaggaaccca	tttgtgctct	gcttgacag	cagg		344

&lt;210&gt; 371

&lt;211&gt; 741

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(741)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 371

aaattacata	tctaattgtg	tgatttggtt	aatgcccatt	tcttcatcta	agtgctaagt	60
gctaagtgtg	gcagtttggt	ccctgctaca	ctccaaggca	caaaggagtt	caagggaatgt	120
gcaatggaaa	tcagtttagat	gaatgtgtta	ggaaccttcc	ctttaataaa	gctggatccc	180
acactagccc	ctacaccctc	tcatacacc	atattcctgc	ttcctctcac	ctgcacttgc	240
tgttctctcc	tctgccacac	aaatctacct	ctcaagccta	ggtcccacct	gcttcatgac	300
aactttccag	actattccag	aacctttaac	catctctgac	ctctcatcag	atctatgttg	360
tacataacac	caattaatga	gatcattact	gctttatgct	ctaattgctt	cctgtattca	420
aaatcttctc	tccaaccaca	taatgactcc	ctaaacttct	cttgattttt	ccaatgcctt	480
gtacaagcac	agaactgggtc	aatcaataaa	tactcactgg	ttatttgagg	aaaaaatggt	540
gccaagcacc	atcttttatca	gaaaataaat	caattcttct	aaacttggag	aaatcaccct	600
attcctagta	tgtgatctta	attagaacaa	ttcagattga	gaangngaca	gcatgctggc	660
agtcctcaga	gccctcgctt	gctctcggn	cctccctgcc	tgggctccca	ctttggtggc	720
atttgaggag	cccttcagcc	t				741

<210> 372  
 <211> 218  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(218)  
 <223> n = A,T,C or G

<400> 372  
 ccgccagtgt gctggaattc gcccttggcc gcccgggcag gtaccacaac agcaggncctg 60  
 agtgagaaat ctaccacctt ctacagtagc cccagatcac cggacacaac actctcacct 120  
 gccagcacga caagctcagg cgtcagtga gaatccacca cctccacag ccgaccaggc 180  
 tcaacgcaca caacagcatt ccctggcagt accttggg 218

<210> 373  
 <211> 168  
 <212> DNA  
 <213> Homo sapien

<400> 373  
 actgctaggg aatgctgttg tgtgcattga gcctggctcg ctgtgggagg tgggtggattc 60  
 ttcactgacg cctgagcttg tcgtgctggc aggtgagagt gttgtgtccg gtgatctggg 120  
 gctactgtag aaggtggtag atttctcact caggcctgct gttgtggt 168

<210> 374  
 <211> 154  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(154)  
 <223> n = A,T,C or G

<400> 374  
 tgagaaatct accaccttct acagngagcc ccanatcacc ggacacaaca ctctcacctg 60  
 ccagcacgac aagctcaggc gtcagtgaag aatccaccac ctccacagc cgaccaggct 120  
 caacgcacac aacagcattc cctggcagta cctc 154

<210> 375  
 <211> 275  
 <212> DNA  
 <213> Homo sapien

<400> 375  
 actgccaggg gacagtgttg tgtcagttga acctgggctg ctgtgggaag ttgttgattc 60  
 ctgactgggg cctgagggtg tgggtgctggc aggttaacagt gttgtatccg ttgagcctgg 120  
 gctgctgtgg gaagttgtag aatgccgact gaggcctggc gtggtggtgc tgtcaggga 180  
 tgctgttgtg tgcgttgagc ctggtcggct gtgggagggt gtggattctt cactgacgcc 240  
 tgagcttgtc gtgctggcag gtgagagtgt tgtgg 275

<210> 376

09649811 082800

<211> 191  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(191)  
 <223> n = A,T,C or G

<400> 376  
 actgccaggg gacagtgtctg tgtcagttga acctgagctg ctgtgggaag ttgttgattc 60  
 ctgactggag cctgaggtgg tgggtgctggc aggtaacagt gttgtatccg ttgagcctgg 120  
 gctgctgtgg gaagtgttag aatgccgact gaggcctgcc gtggtggtgc tgntagggaa 180  
 tgctgctagc g 191

<210> 377  
 <211> 476  
 <212> DNA  
 <213> Homo sapien

<400> 377  
 ccgccagtgt gctggaattc gcccttggcc gcccgggcag gtacatttcc ttgtagactc 60  
 tgtaatttc ctgcagctcc tgggtgggttc tggagcagat gatctcaatg agagagtcct 120  
 cgtcggttc cagccccttc atggaagctt ttagctcaga agcgtcatac tgagcagggtg 180  
 tcttcaatag gcccaaaatc accgtctcca ggtggccaga taaggctgac ttcagtgtctg 240  
 atgcaagttc ctttttggtc cttctctggt aggcgaaggc aatatcctgt ctctgtgcat 300  
 tgctgcggtt ggtcaaaatg ttgacaatgg tgacctcatc cacacctttg gtcttgatgg 360  
 ctgtttcaat gttcaaagca tcccgtctcag catcaaagtt agtataggct ttgacagacc 420  
 catatgcact tgggggtgta gagtgatcac cctccaagcc gagcttgcac aggatt 476

<210> 378  
 <211> 455  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(455)  
 <223> n = A,T,C or G

<400> 378  
 agtgtgtggtg aattcgccct tggccgcccg ggcaggtaca catcccatct tcaaatttaa 60  
 aatcatattg tcagttgtcc aaagcagctt gaatttaaag tttgtgctat aaaattgtgc 120  
 aaatatgtta aggattgaga cccaccaatg cactactgta atatttcgct tcctaaattt 180  
 cttccaccta cagataatag acaacaagtc tgagaaacta aggctaacca aacttagata 240  
 taaatcctac caataaaatt tttcagtttt aagttttaca gtttgattta aaaacaaaac 300  
 agaaacaaat ttcaaaaataa atcacatctt ctcttaaaac ttggcaaacc cttccctaac 360  
 tgtccaagtn tgagcataca ctgccactgg ctttagatac tccaattaaa tgcactactc 420  
 tttcactggt ctgaatgaag tatggtgaaa caagc 455

<210> 379  
 <211> 297  
 <212> DNA  
 <213> Homo sapien



<220>  
 <221> misc\_feature  
 <222> (1)...(297)  
 <223> n = A,T,C or G

<400> 379  
 agctcggatc cctagnacgg ccgccagtgt gctggaattc gcccttagcg gcggcccggg 60  
 caggtacaaa gaatccttag acgccatact gagttttaag ttccttaatt cctaatttaa 120  
 ggcttctagt gaagcctcct cacagtaggc ttcactaggc ccacagtgcc cctagacctc 180  
 tgacaatccc accctagaca gactttattg caaaatgcgc ctgaagaggc agatgattcc 240  
 caagagaact caccaaatac agacaaatgt cctagatctc tagtgtggnn gaactat 297

<210> 380  
 <211> 144  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(144)  
 <223> n = A,T,C or G

<400> 380  
 actttgctga aaattctttt tcccagggtc tataaaacat taatttggtt ttatatattta 60  
 ctattttttt gngttttttt gtttttaaat caataagtaa tctaggacta gcattatggt 120  
 tgctagacct ggcatttgct cggc 144

<210> 381  
 <211> 424  
 <212> DNA  
 <213> Homo sapien

<400> 381  
 actcttgaat acaagtttct gataccactg cactgtctga gaatttccaa aactttaatg 60  
 aactaactga cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt 120  
 catgggacta aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc 180  
 tgattcttta aatgtcttgt ttcccagatt tcaggaaact ttttttcttt taagctatcc 240  
 acagcttaca gcaatttgat aaaatatact tttgtgaaca aaaattgaga catttacatt 300  
 ttctccctat gtggtcgctc cagacttggg aaactattca tgaatattta tattgtatgg 360  
 taatatagtt attgcacaag ttcaataaaa atctgctctt tgtataacag aatacatttg 420  
 aaaa 424

<210> 382  
 <211> 408  
 <212> DNA  
 <213> Homo sapien

<400> 382  
 actcttgaat acaagtttct gataccactg cactgtctga gaatttccaa aactttaatg 60  
 aactaactga cagcttcatg aaactgtcca ccaagatcaa gcagagaaaa taattaattt 120  
 catgggacta aatgaactaa tgaggataat attttcataa ttttttattt gaaattttgc 180  
 tgattcttta aatgtcttgt ttcccagatt tcaggaaact ttttttcttt taagctatcc 240  
 acagcttaca gcaatttgat aaaatatact tttgtgaaca aaaattgaga catttacatt 300

```
<210> 383
<211> 455
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(455)
<223> n = A,T,C or G
```

```
<210> 384
<211> 376
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(376)  
<223> n = A,T,C or G
```

```
<210> 385
<211> 422
<212> DNA
<213> Homo sapien
```

<400> 385						
acctgtgggt	ttattaccta	tgggtttata	tcctcaaata	cgacattcta	gtcaaagtct	60
tggtaatata	accaatgttt	tcaaagtgtat	tctgtcatatc	aaagagcaga	tttttattga	120
acttgtgcaa	taactatatt	accatacaat	ataaatattc	atgaatagtt	tcccaagtct	180
ggagcgacca	catagggaga	aaatgtaaat	gtctcaattt	ttgttcacaa	aagtatatatt	240
tatcaaattg	ctgtaagctg	tggatagctt	aaaagaaaaa	aagtttcctg	aaatctggga	300
aacaagacat	ttaaagaatc	agcaaaaattt	caaataaaaa	attatgaaaa	tattatcctc	360

```
<210> 386
<211> 313
<212> DNA
<213> Homo sapien
```

```
<210> 387
<211> 236
<212> DNA
<213> Homo sapien
```

```
<210> 388
<211> 195
<212> DNA
<213> Homo sapien
```

```
<210> 389
<211> 183
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(183)  
<223> n = A,T,C or G
```

<400> 389						
taacactcac	aacaaaacta	actaatacta	nnatctcaga	cgctcaggaa	atagaaaccn	60
cttgaactat	cctgcccgcc	atcatcctag	tcctcatcgc	cctcccattc	ctacncatcc	120
tttacataac	agacgaggtc	aacgatccct	cccttaccat	caaatcaatt	ggccaccaat	180
ggt						183

<210> 390  
 <211> 473  
 <212> DNA  
 <213> Homo sapien

<400> 390  
 acaaagcagc aactgcaata ctcaagggtta aaacattaga aaagcatttg tgtgacaggt 60  
 atattacagt attatcaaaa tattacattt tcagacttac ttagcagata atcatccacc 120  
 agagcttaaa tcttttaaatt atttccatag tcttaaaaaa tatgtaatgt cagaatgcat 180  
 ataaaaagaa tgtaaaagga aacctaataat acaaattggaa taatgtaaca aataaatatt 240  
 tgatttcagt aactgttaat aatcagctca acaccaccat tctctctaaa ctcaatttaa 300  
 ttcttatagg aataatgaac tgtcaaatgc catggcataa ttatttattt ccaagctatc 360  
 atcaatgatt agaactaaaa aaaatttggc ataaaaaaat cacaattcag cataaataaa 420  
 gctattttta gcttcaacac tagctagcat ctctaagaat tgttgaaata agt 473

<210> 391  
 <211> 216  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(216)  
 <223> n = A,T,C or G

<400> 391  
 atttgtattt taggtttcct tttacattct ttttatatgc nntctgacat tacatatttt 60  
 ttaagactat ggaaataatt taaagattta agctctgggtg gatgattatc tgctaagtaa 120  
 gtctgaaaat gtaatatttt gataatactg taatatacct gtcacacaaa tgctttttcta 180  
 atgttttaac cttgagtatt gcagttgctg ctttgt 216

<210> 392  
 <211> 98  
 <212> DNA  
 <213> Homo sapien

<400> 392  
 acttattttca acaattctta gagatgctag ctagtggtga agctaaaaat agctttattt 60  
 atgctgaatt gtgatttttt tatgccaaat ttttttaa 98

<210> 393  
 <211> 397  
 <212> DNA  
 <213> Homo sapien

<400> 393  
 tgccgatata ctctagatga agttttacat tgttgagcta ttgctgttct cttgggaact 60  
 gaactcactt tcctcctgag gctttggatt tgacattgca tttgacctt tatgtagtaa 120  
 ttgacatgtg ccagggcaat gatgaatgag aatctacccc cagatccaag catcctgagc 180  
 aactcttgat tatccatatt gagtcaaatg gtaggcattt cctatcacct gtttccattc 240  
 aacaagagca ctacattcat ttagctaaac ggattccaaa gagtagaatt gcattgaccg 300  
 cgactaattt caaaatgctt tttattatta ttatttttta gacagtctca ctttgtcgcc 360  
 caggccggag tgcagtgggtg cgatctcaga tcaagtgt 397

<210> 394  
 <211> 373  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(373)  
 <223> n = A,T,C or G

<400> 394  
 ttacattggt gagctattgc tgttctcttg ggaactgaac tcactttcct cctgaggcct 60  
 tggatttgac attgcatttg accttttatg tagtaattga catgtgccag ggcaatgatg 120  
 aatgagaatc tacccccaga tccaagcatc ctgagcaact cttgattatc catattgagt 180  
 caaatggtag gcatttccta tcacctgttt ccattcaaca agagcactac attcatttag 240  
 ctaaaccgat tccaaagagt agaattgcat tgaccacgac tantttcaaa atgcttttta 300  
 ttattattat tttttagaca gtctcacttt gtcgccagc cggagtgca gtggtgcgat 360  
 ctcatgcag tgt 373

<210> 395  
 <211> 411  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(411)  
 <223> n = A,T,C or G

<400> 395  
 actgatcatt ctatttcccc ctctattgat cccacctcc aaatatctca tcaacaaccg 60  
 actaatcacc acccaacaat gactaatcaa actaacctca aaacaaatga taaccatata 120  
 caacactaaa ggacgaacct gatctcttat actagtatcc ttaatcattt ttattgccac 180  
 aactaacctc ctccgactcc tgctcactc atttacacca accaccaat tatctataaa 240  
 cctagccatg gccatcccc tatgagcggg cgcagtgatt ataggctttc gctctaagat 300  
 taaaaatgcc ctagcccact tcttacngca aggcacacct acaccctta tccccatact 360  
 agttattatc gaaacatca gcctactcat tcaaccaata gccctggccg t 411

<210> 396  
 <211> 411  
 <212> DNA  
 <213> Homo sapien

<400> 396  
 actgatcatt ctatttcccc ctctattgat cccacctcc aaatatctca tcaacaaccg 60  
 actaattacc acccaacaat gactaatcaa actaacctca aaacaaatga tagccatata 120  
 caacactaaa ggacgaacct gatctcttat actagtatcc ttaatcattt ttattgccac 180  
 aactaacctc ctccgactcc tgctcactc atttacacca accaccaac tatctataaa 240  
 cctagccatg gccatcccc tatgagcggg cgcagtgatt ataggctttc gctctaagat 300  
 taaaaatgcc ctagcccact tcttaccaca aggcacacct acaccctta tccccatact 360  
 agttattatc gaaacatca gcctactcat tcaaccaata gccctggccg t 411

<210> 397  
 <211> 351

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(351)  
<223> n = A,T,C or G

<400> 397

ngccgangta	caaaaaaaaaag	cacatttccta	gaaaaaggta	ttggcaaata	gtaaaaatgg	60
gaggtcaaaa	ncaaaaaaaaaa	aaaaaaacaaa	acnaaaaaaaa	gaaaaaacca	acaattcttc	120
aattcagtg	gcaaacatta	tataaaaaata	gaaataactaa	ctctacaggc	agtatttcct	180
gataaattat	ttaaaatagca	tatctacnca	atctgagata	tctattccaa	tggaatgag	240
aaaataattt	ataaaaaataa	agcaatggta	taccanatga	tagaaaaaaa	cataactttc	300
agaaattgta	tttaacattt	caatgctatt	tccttattgn	gaatncttct	c	351

<210> 398  
<211> 363  
<212> DNA  
<213> Homo sapien

<400> 398

acaaaaaaaa	gcacattcct	agaaaaagg	attggcaaat	agtaaaaatg	ggaggtcaaa	60
agcaaaaaaa	aaaaaaaaacaa	aacaaaaaaaa	agaaaaaac	aacaattctt	caattcagtg	120
tgcaaacatt	atataaaaaat	agaaatacta	actctacagg	cagtatttcc	tgataaatta	180
tttaaatagc	atatctacac	aatctgagat	atctattcca	atggcaatga	gaaaataatt	240
tataaaaaata	aagcaatgg	ataccagatg	atagaaaaaa	acataacttt	cagaaattgt	300
atttaacatt	tcaatgctat	ttccttattg	ggaatacttc	tctgcagagt	ttttatgcta	360
tgt						363

<210> 399  
<211> 360  
<212> DNA  
<213> Homo sapien

<400> 399

actgtttcct	cgtgggttcag	gggtgtgcat	gaaggctctt	aggagagcaa	acacctgttc	60
ctattctgta	tgtccctccc	tcattttcaaa	tgagagtaac	caattgagta	aaataaccaa	120
ataaccattg	ccccaccatg	aacatggggc	ttgggaagac	agtcctacaa	tcttcatcat	180
atatttaggt	ttttaggcca	gccagctctt	tttttccaaa	gctttctttt	gaatacccg	240
ccgggcggcc	cctaaggcg	aattctgcag	atatccatca	cactggcggc	cgctcgagca	300
tgcatctaga	gggcccaatt	cgccctatag	tgagtcgtat	tacaattcac	tggccgctcg	360

<210> 400  
<211> 87  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(87)  
<223> n = A,T,C or G

<400> 400

ctgcacatat cnattacact ggcggccgct cgagcatgca tgnagagggc ccaattctcc 60  
ctatattgag tgaattaca atncnct 87

<210> 401  
<211> 328  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(328)  
<223> n = A,T,C or G

<400> 401  
accagggac acaaacactc tgcctaggaa aaccagagac ctttgttcac ttgtttatct 60  
gctgaccttc cttccactat tgtcctatga ccctgccaaa tccccctctg cgagaaacac 120  
ccaagaatga tcaataaaaa ataaaaataa attaaattaa aaaaaaaaaa agagaggaac 180  
ccacaaaaaa aaaaaaaaaa aaagtntata aaataaaaata ttgaagtcct ttcccattaa 240  
aaaaaaaaaa aagaaaaagc acggactcct tcatccagtt ctgatgtgat tatctctgga 300  
aggcattttc tcctcctctt ccctcccc 328

<210> 402  
<211> 268  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(268)  
<223> n = A,T,C or G

<400> 402  
nacataatga caacatcttc actagactga gtgttcaagg atttgagatg attcgctatt 60  
catcacaccc cgaagattga gatccactgt atttacacaa agcaaagcca tgtcagcaag 120  
ggactgtcaa cctgattctg agaacataaa cattcaaaat ttattttcca gtgttccttt 180  
ttggaacca acaacacatc tttaatacct acacacacac acatctntac ctttaaaaaa 240  
aaaaaaaaag tynaacttca cagatagt 268

<210> 403  
<211> 538  
<212> DNA  
<213> Homo sapien

<400> 403  
acagtgatag ctccccctgg gcaatacaat acaagaacag tgggttttgt caaattggaa 60  
caaggaaaaca gaaccacaga aataaataca ttggttaaca tcagattagt tcaggttact 120  
tttttgtaaa agttaaaagta gaggggactt ctgtattatg ctaactcaag tagactggaa 180  
tctcctgtgt tctttttttt tttaaattgg ttttaatttt ttttaattgg atctatcttc 240  
ttccttaaca tttcagttgg agtatgtagc atttagcacc actgggtcaa tgcgctcacc 300  
taggtgagag tgtgaccaa tcttaaagca ttagtgctat tatcagttac caccatttgg 360  
ggcttttatc cttcatgggt tatgatgttc tcctgatgac acatttctct gagttttgta 420  
attccagcca aagagagacc attcactatt tgatggctgg ctgcatgcag acatttaaag 480  
cttttagaga atacactaca ccaggggagta tgactactag tatgactatt aggagggt 538

<400> 404

<400> 405

<400> 406

<400> 407

acaatttgta	gttgttcca	ggttggtcta	ataatcattc	cttaacctag	aattcagatg	60
atcctggaat	taaggcaggt	cagaggactg	taatgataga	attaaattag	tgtcactaaa	120
aactgtccca	aagtgtctgt	tcctaataag	aattcattaa	cctaaaacaa	gatgttacta	180



```

ttatatcgat agactatgaa tgctatttct agaaaaagtc tagtgccaaa tttgtcttat 240
taaataaaaa caatgtagga gcagcttttc ttctagtttg atgtcattta agaattacta 300
acacagtggc agtggttaaat gaagatgctg tctacaaggt agataatata ctgtttgata 360
ctcaaaacat ttttcatttt gtttaaagta gaagttacat aattctatat tttaagtct 419

```

```

<210> 408
<211> 523
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = A,T,C or G

```

```

<400> 408
acatttgatg ttatgtgaat gttgagtttt tttcttctaa ttttcacttc agcagtgttt 60
agggttttca gatgccttat tccagtgtga acagaaaaag ttcataatttt atgtggttaa 120
tgctttgatg tgtcacataa agagtagttt gtagaaaatg ttggcacaat tttaacttct 180
tagtggcttg tgacattata tattatatat atatgtatat atatctttat aacattcctg 240
tgttttagtag tgtaaatggt ctgggcaagt tttaatattt tgaatgcctt tggatattcc 300
agcaataaag gcatcatggt ctgcaatagg atttcttact catttaccta ttttaacact 360
aaaatagacc acaactgagc acaaattcct tttataaatg ttatagaagc agggagaagt 420
aataaacaca tttgtgaatt gtggttcagt ttatttatct ttagggaagg ctgatcattt 480
atcttatagc acataacccc agcctcttat tcattatggn taa 523

```

```

<210> 409
<211> 191
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(191)
<223> n = A,T,C or G

```

```

<400> 409
accccgtagt gatgagcact gactggttca ctggccacat tttagttctt cataataata 60
ggccacaaaa gggctctgtg gtttgccctc atgtgcaact gccctcccc acccctaggg 120
ggcactcagt agctgctgag aaggcctgtc cactgangctg ttggaacccc ttcaataaat 180
acttagaagn a 191

```

```

<210> 410
<211> 403
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

```

```

<400> 410
acactggcca gtgtgttttt ggcgattaaa cataatcctg tgaatcagat taattcattt 60

```

```
<210> 411
<211> 384
<212> DNA
<213> Homo sapien
```

```
<210> 412
<211> 315
<212> DNA
<213> Homo sapien
```

```
<210> 413
<211> 554
<212> DNA
<213> Homo sapien
```

```

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

<400> 413
acagggtttca ctattacaaa tatatgatgt taaactaaca aactcatgac cttcaaagat      60
gtcttcgtcc cacgcacaca catttgtaat ttgtgtccat ttgctatttc ccttcttcta      120
taatcttcaa attatatagt tatgcattga gttccctatg catctcaccc atctccttta      180
tctcagcctt ctcatacttt gccattctct tctttctgga aataaccagc acaacaattc      240

```

```
<210> 414
<211> 267
<212> DNA
<213> Homo sapien
```

```
<210> 415
<211> 454
<212> DNA
<213> Homo sapien
```

```
<210> 416
<211> 370
<212> DNA
<213> Homo sapien
```

```
<210> 417
<211> 463
<212> DNA
<213> Homo sapien
```

<400> 417

```
<210> 418
<211> 334
<212> DNA
<213> Homo sapien
```

```
<210> 419
<211> 297
<212> DNA
<213> Homo sapien
```

```
<210> 420
<211> 418
<212> DNA
<213> Homo sapien
```

```
<210> 421
<211> 304
<212> DNA
<213> Homo sapien
```

```
<210> 422
<211> 578
<212> DNA
<213> Homo sapien
```

```
<210> 423
<211> 327
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(327)  
<223> n = A,T,C or G
```

```
<210> 424
<211> 384
<212> DNA
<213> Homo sapien
```

<400> 424						
acgaaaaata	aatctcctta	aaaactaaat	aaaatgcact	gtattccttac	agttaatggt	60
tataactata	gtaaaaaatt	aatatatatc	ctattacata	aatgttatttt	cttaggtggt	120
ccattaagaa	gagcaataga	ataatgctaa	aaaataatgc	ctataaaatct	tcagagtata	180
aagacatcca	ttcagaaaaca	aaaattagca	ctaaaattttt	tataaaatag	accagatgac	240
aaaattttatt	ttatttttaa	acagtggttt	tgacacaaat	tatgtttattg	aaaagcatta	300
ttaatgttta	atttatttaa	aattttggaa	tttgccattt	ctcagagaat	gatcaggcct	360

384

<400> 425

```
<220>
<221> misc_feature
<222> (1)...(196)
<223> n = A,T,C or G
```

<400> 426

```
<210> 427
<211> 163
<212> DNA
<213> Homo sapien
```

<400> 427

```
<210> 428
<211> 315
<212> DNA
<213> Homo sapien
```

$\langle 220 \rangle$

```
<221> misc_feature
<222> (1)...(315)
<223> n = A,T,C or G
```

<400> 428

```
nactgagtan agatgctggg gaatgtgcaa tatgccttga agaattgcag cagggagata      60
ctatagcacg actgccttgt ctatgcatat atcataaagg ctgcatagat gaatggtttg      120
aagtaaatag atcttgccct gagcaccctt cagattaagc gtcagccttc tgttttatag      180
```

gttttcttgt cttgacaaga tgcttgaaaa accaagagga tatgaaaatc tgtctctgga 240  
 gaaacaaaga cgcaggcata ctcagccaga aatctgagtt ttgtgagact tggtaataca 300  
 gagatggaca atcgt 315

<210> 429  
 <211> 131  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(131)  
 <223> n = A,T,C or G

<400> 429  
 acagttaggn actagaacat ttgttaagcc tcccaaagta gngtgcatgg aagattctag 60  
 agtgtccagc tcttgcaact caaatgtaat aataacagaa taaatacact taccctgatg 120  
 atattgaggg t 131

<210> 430  
 <211> 503  
 <212> DNA  
 <213> Homo sapien

<400> 430  
 actgattttt aataaaagaa ataaggttca aagtttagca caacaacaca gcaataagaa 60  
 gctgacaact tggataaaaa tacaagaaag taacacagag ccagggtac ccattattta 120  
 ctgtgtgcat acaggaatgc tatacttcag atgtataaat tagagactga ttttaagtta 180  
 ttaatttaac tactttttgt ccactgtgct aaactaaatt ttataactaat gtgctactgc 240  
 gtaaacactt caaagcaatc ttcattaaaa tgctgcaaag aaaaacaaga atacacatca 300  
 tccaaaacta aggatgtcat tgcagttcac agtttgata ataaataccc tccctttcaa 360  
 tcactactaa gatcactaca tcctatctac tcatcagcac aaccttgaag caacttatac 420  
 ttacaaatat tagcaatgca gccaaacatt tgttttttgc aaagcaacta gtaaaaatca 480  
 agaattttta ttaagacggt gca 503

<210> 431  
 <211> 207  
 <212> DNA  
 <213> Homo sapien

<400> 431  
 acaagtgtgg cctcatcaag ccctgcccag ccaactactt tgcgttttaa atctgcagtg 60  
 gggccgcaa cgtcgtgggc cctactatgt gctttgaaga ccgcatgac atgagtctg 120  
 tgaaaaacaa tgtgggcaga ggcctaaaca tcgccctggt gaatggaacc acgggagctg 180  
 tgctgggaca gaaggcattt gacatgt 207

<210> 432  
 <211> 485  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(485)

<400> 432

<210> 433

<211> 280

<212> DNA

<213> Homo sapien

<400> 433

actgtcacta	caatattaca	ttctgcaaat	gttattctgt	tgtatcagat	acaaaatttt	60
agtgaggat	ctctaaggca	catagtagaa	aacaaaattg	gttaattact	caagttcctt	120
tcactgtgat	ttggaatga	tttaatcttt	atagaatgag	aacctttttt	ggactagctt	180
ttttattaaa	atggctcaat	tttgtttgat	aaggattgca	ttaatattta	atagtgcttg	240
cttttctct	gggcacacca	tttgtatcat	taaccagaqt			280

<210> 434

<211> 234

<212> DNA

<213> Homo sapien

<400> 434

ctttgctgcg	catcaggtgc	tttaagcttc	ggaacaactg	tgcaggattc	tatttttagta	60
ttctggaagc	atcattgagg	aagtagtcca	gtgaagttag	ctctaaaaaa	actctttact	120
ctaacaatta	aaagaaatat	gccaaaggat	ccataaggga	tgaataaatt	attaaactat	180
taagaagttg	ctataaatat	gcagtgttaa	ttcaataatt	cataacggac	tggt	234

<210> 435

$\langle 211 \rangle$  330

<212> DNA

<213> Homo sapien

<400> 435

acctcccggtg	tcaccagttc	ccacagaagc	actgcaaaac	tccacatgtc	tgctgagcgt	60
ctgttttgtgt	cttcaggctt	cttctgcaga	gcttcggggg	ctaccagggc	aggtgcatac	120
atgcgaccag	gacattggaa	agagaacttg	acatcagcca	tgctaattcg	ggcagtcatg	180
tcctcatcaa	tcattacact	acggctattg	agtgcatgtc	gtgggatgag	gggctctagt	240
gtgtgtagga	aagccatgcc	ccttgcctatg	tccaaagcaa	acttcacagc	ctggctctgg	300
tcacacacga	aatttgtgcc	ttcatgtagt				330

<210> 436

<211> 311

<212> DNA

<213> Homo sapien



```
<210> 437
<211> 355
<212> DNA
<213> Homo sapien
```

```
<210> 438
<211> 431
<212> DNA
<213> Homo sapien
```

```
<210> 439
<211> 170
<212> DNA
<213> Homo sapien
```

```
<210> 440
<211> 400
<212> DNA
<213> Homo sapien
```

```

      <400> 440
acgtaaaaaag aacatcccttc ccattcttcaa ggtcaagatt gaacgctgac tcctgcagga      60
agtcttccag gattcccagg caggaatgat ggctccctgt ccctgtagct ccaggagttc      120

```

ttgcttcacg	cacgcctcac	ataccagact	gaatgttggc	aggaggagtg	accaggtcgg	180
tcatctgtgt	ccctaccacc	tacaacaggc	cagcaatcta	cccgtgtgtg	tttgttggac	240
agaattaacc	atgatgggcg	gccgagggcg	cctggagcta	tttgggggct	tgagagagac	300
ctcttaggag	agtgtcaggc	tctaggccag	tgtcaccaga	ggagggtcagt	ctcagtcctt	360
ggagtgggtg	gatggaaacc	agacgggact	ggcatggtcc			400

<210> 441  
 <211> 204  
 <212> DNA  
 <213> Homo sapien

<400> 441						
acctagttag	ttcttaagat	caggtgtata	aaactgtgga	gtggagcggg	atggtagtga	60
atgacttgga	atgtaagctg	tcagggagaa	aatgtttgta	cactttttgct	aagatctggg	120
ggtttcttca	tattcctgct	gttggaagca	gttgaccaga	aatgcttgcc	agtactgcc	180
aagcactgct	gtgaaatgtg	aagt				204

<210> 442  
 <211> 649  
 <212> DNA  
 <213> Homo sapien

<400> 442						
acattttaatt	ttttacaaca	ttttctccct	agagatataa	tttagatatt	cctatcttca	60
aagtaaaaa	caaaaatagga	aataagcata	gaaacagcct	attggcagtg	gttacacctg	120
catgggtattt	atgagtctcc	aaactatttg	aaattttatt	caaccaaggt	tctcttaagt	180
cttcattact	tggtgtgaac	tcgagagaaa	actaatttat	atcaatttac	agtttagtgg	240
tcatgatcag	gggaaagtga	tactcttcca	ctgactacaa	gtcattgcag	aggcagttta	300
gaacttttcc	tttattccta	atatacagga	caaaccttgc	cgacatctca	ctacctcaaa	360
aatcaaattt	aaatgaagta	tccaggagta	gcctaaagaa	tgagtgtaat	ctggatggat	420
tttagtctaa	atttatgcct	tgctcttcag	taaagtatag	taactccaga	tatatgttcc	480
acagatgcaa	taattttctgt	tccttgttcg	gtgcagaata	taattttatac	ttcctgaaat	540
caactttgtc	tattcatgaa	aatagctgct	ttttatttgc	ctttgtctca	ctttgaaat	600
atatgatcca	caggttacag	actttttcaa	taactacatt	tcaacttgt		649

<210> 443  
 <211> 346  
 <212> DNA  
 <213> Homo sapien

<400> 443						
acgtgggatt	gaaatgcaca	tacatgtttt	tgctaagagc	acatacattt	cattctcctc	60
actttgttca	taacctcagc	attgtcagat	aacctcagtg	agttaactca	aagcctttta	120
ttatggaaag	aactggcaca	gttacatttg	ccagtggcaa	catccttaaa	aattaataac	180
tgatgggtca	cggacagatt	tttgacctag	ttcctttttc	ttttagagca	aaaagaactt	240
ttacctcggc	atccagccca	acccctaaag	actgacaata	tccttcaagc	tcctttgaaa	300
gcaccctaaa	cagccatttc	catttttaata	gttggatgcg	gattgt		346

<210> 444  
 <211> 425  
 <212> DNA  
 <213> Homo sapien

<400> 444

```
<210> 445
<211> 210
<212> DNA
<213> Homo sapien
```

<400> 445

```
<210> 446
<211> 326
<212> DNA
<213> Homo sapien
```

<400> 446

```
<210> 447
<211> 304
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G
```

<400> 447

nontcnaggt	acatgctaga	agtctgatgt	ngtnngtaac	acagaaacat	acacagtcctt	60
catattcaaa	gtcttcacng	ggatgtcggt	ctgtaatttc	ctgcgtttgg	gtctcttcca	120
gaaacagctt	tagcttcctg	ctccgaaggc	caaacacctt	ggctgcttca	tacagaagac	180
cttggtgggt	gagtcatttc	tgcccaagtg	ggttttcaag	caggagagtg	cccactgtcc	240
ccattaaaca	ctcttggtgc	tttgcatcca	ggagctgtag	gttgatatac	tgacaaggaa	300

304

<400> 448

```
<210> 449
<211> 481
<212> DNA
<213> Homo sapien
```

<400> 449

```
<210> 450
<211> 296
<212> DNA
<213> Homo sapien
```

<400> 450

```
<210> 451
<211> 294
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(294)
```

<400> 451

<210> 452

<211> 129

<212> DNA

<213> Homo sapien

<400> 452

<210> 453

<211> 151

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (151)$ 

<223> n = A, T, C or G

<400> 453

<210> 454

<211> 119

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

$$\langle 222 \rangle \quad (1) \dots (119)$$

<223> n = A, T, C or G

<400> 454

<210> 455

<211> 515

<212> DNA

<213> Homo sapien

<400> 455

```
<210> 456
<211> 350
<212> DNA
<213> Homo sapien .

<220>
<221> misc_feature
<222> (1)...(350)
<223> n = A,T,C or G
```

```
<210> 457
<211> 293
<212> DNA
<213> Homo sapien
```

```
<210> 458
<211> 500
<212> DNA
<213> Homo sapien
```

<400> 458						
actagactcc	agattaccct	ttcttaataa	atatctcagg	gtaaggaaag	aaagaaactg	60
tatagatata	tttaaaatag	agaatacttt	ccaagcaata	catgatgcct	ttcctaaaag	120
actctaaaag	aaaaagattc	tgtaaacttc	ttttagcacc	aaattattgt	ttatcttgct	180
ggatatttta	tatgaacagt	gttaattttg	atgcactaaa	gcaaaggtag	gcaaactaca	240
accatgagtc	aaacatggcc	acaccattc	atttgctatt	gtctaagctg	gttttgcact	300
acaactgcag	agttgaatag	atgcagcaga	tcctttacag	aaaaagtttt	ctgacctcaa	360
ttctaaagta	attgtagtag	ggagctggag	gactttcttt	ccctttatgg	taattttttg	420
aqctacaaaa	aqagccttgc	agaaatgggt	gaagggatta	atctttttaa	aataaatgct	480

atatattagg aaaataaaaa

500

<210> 459

<211> 394

<212> DNA

<213> Homo sapien

<400> 459

ggtgaaaaga	cttgattttt	tgaaaggatt	gtttatcaaa	cacaattcta	atctcttctc	60
ttatgtattt	ttgtgcacta	ggcgcagttg	tgtagcagtt	gagtaatgct	ggttagctgt	120
taagggtggcg	tggtgcagtg	cagagtgcctt	ggctgtttcc	tgttttctcc	cgattgctcc	180
tgtgtaaaga	tgccttgctg	tgcaaaaaca	aatggctgtc	cagtttatta	aaatgcctga	240
caactgcact	tccagtcacc	cgggccttgc	atataaataa	cggagcatac	agtgagcaca	300
tctagctgat	gataaataca	cctttttttc	cctcttcccc	ctaaaaatgg	taaatctgat	360
catatctaca	tgtatgaact	taacatggaa	aatg			394

<210> 460

<211> 279

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(279)

<223> n = A,T,C or G

<400> 460

actnccgatt	gaagcccca	ttcgtataat	aattacatca	caagacgtct	tgactcatg	60
agctgtcccc	acattaggct	taaaaacaga	tgcaattccc	ggacgtctaa	accaaaccac	120
tttcaccgct	acacgaccgg	gggtatacta	cggatcaatgc	tctgaaatct	gtggagcaaa	180
ccacagtttc	atgcccatcg	tcctagaatt	aattccccta	aaaaatctttg	aaatagggcc	240
cgtattttacc	ctatagcacc	ccctctagag	caaaaaaaaa			279

<210> 461

<211> 278

<212> DNA

<213> Homo sapien

<400> 461

tttgacact	aggaaaaaac	cttgtagaga	gagtaaaaaa	tttaacaccc	atagtaggcc	60
taaaagcagc	caccaattaa	gaaagcggtc	aagctcaaca	cccaactacct	aaaaaatccc	120
aaacatataa	ctgaactcct	cacacccaat	tggaaccaatc	tatcacccta	tagaagaact	180
aatgttagta	taaagtaaca	tgaaaacatt	ctcctccgca	taagcctgcg	tcagattaaa	240
acactggact	gacaattaac	agccaatatc	tacaatca			278

<210> 462

<211> 556

<212> DNA

<213> Homo sapiens

<400> 462

aacgtccaag	ggggccacat	cgatgatggg	caggcgggag	gtcttggtgg	ttttgtattc	60
aatcactgtc	ttgccccagg	ctccggtgtg	actcgtgcag	ccatcgacag	tgacgctgta	120
ggtgaagcgg	ctgttgcctt	cggcgcggat	ctcgatctcg	ttggagccct	ggaggagcag	180

```
<210> 463
<211> 659
<212> DNA
<213> Homo sapiens
```

```
<210> 464
<211> 695
<212> DNA
<213> Homo sapiens
```

```
<210> 465
<211> 73
<212> DNA
<213> Homo sapiens
```

<400> 465  
cagggtccaga gctcccaggt ttccaggttg cagtcctcc agtcccagag ctcccagggt 60  
ttcaggtttcc agt 73



```
<220>
<221> misc_feature
<222> (1)...(507)
<223> n = A,T,C or G
```

```
<210> 467
<211> 183
<212> DNA
<213> Homo sapiens
```

```
<210> 468
<211> 129
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc_feature  
<222> (1)...(129)  
<223> n = A,T,C or G
```

```
<210> 469
<211> 243
<212> DNA
<213> Homo sapiens
```

```
<220>  
<221> misc feature
```





<213> Homo sapiens

ggcgggcgct	agctggctcc	gggcagctcg	gccttggggg	cttcggggcc	ccgagacgcg	60
ggcgctatga	gtggggcgtg	cgctccacgc	ggaagtcgga	gcctcctccc	ctggataggg	120
tgtacgagat	ccctggactg	gagcccatca	cctttgctgg	gaagatgcac	ttcgtgccct	180
ggctggcgcg	gccgatatct	ccgccctggg	accgcggcta	caaggaccca	aggtttctacc	240
gctcgccccc	tcttcacgag	catccgctgt	acaaagacca	ggcctgctat	atcttttcacc	300
accgtgcccq	cctt					314

<211> 317

<213> Homo sapiens

aacagagtga	tattccagt	taagcggggc	gaagagaata	cagactatgt	gaacgcaccc	60
tttattgatg	gtaccggca	gaaggactcc	tatatcgcca	gccagggccc	tcttctccac	120
acaattgagg	acttctggcg	aatgatctgg	gagtggaaat	cctgctctat	cgtgatgcta	180
acagaacttg	aggagagagg	ccaggagaag	tgtgccagtg	actggccatc	tgatggactg	240
gtgtcctatg	gagataattac	agtggaaactg	aagaaggagg	aggaatgtga	gagctacacc	300
gtccgagacc	tcttggt					317

<211> 171

<212> DNA

<213> Homo sapiens

```

aggtgctttg ctagatgctg tgacaggtat gccaccaaca ctgctcacag cctttctgag 60
gacaccagtg aaagaagcca cagctcttct tggcgtattt atactcactg agtcttaact 120
tttcaccagg ggtgctcacc tctgcccta ttgggagagg tcataaaatg t 171

```

<211> 65

<212> DNA

<213> Homo sapiens

```
ccccagtg aaggtccca ccctggtaga tgaacagccc ctggagaact acctggatat 60
ggagt                                         65
```

<211> 207

<212> DNA

<213> Homo sapiens

cacagcgtgc	tctgcggggt	cactcccaact	ttgttagtga	tgtgggttata	tcctcagatg	60
gccagtttgc	cctctcaggc	tcctgggatg	gaacctctgcg	cctctgggat	ctcacaacgg	120
gcaccaccac	gaggcgattt	gtgggccata	ccaaggatgt	gctgagtgtg	gccttctcct	180
ctgacaaccg	gcagattgtc	tctggat				207

```
<220>
<221> misc_feature
<222> (1)...(319)
<223> n = A,T,C or G
```

```
<210> 483
<211> 233
<212> DNA
<213> Homo sapiens
```

<400> 483						
acaggcccag	tgggcgctag	ccttcagctg	ctgggctctc	ccgagcctgc	cttagcccat	60
acaaccactt	gatcacgcgg	gcattgcgct	ccaccaccga	cagcccatag	ggaacgcgct	120
cccgggcgcc	ctctcaaca	gtcaccgagc	tgcggcgggg	gcagcccctt	tcagagctgc	180
ccgcccagc	actgggccct	gccagggaca	cnatatccga	gctggcccgt	gcc	233

```
<400> 484
agagcccttg ctggggggtg cctgggagat ggggtaagaa gagctttcat ttgtctggta 60
gatagatagc atgtaagggg gtggttgctc caggaggcag ctgctgacag gtttgctaca 120
cacagccccc gactgtgttg cctgggtgct cattcagaga ggggctatca tctgggagcc 180
tgtccccctg ggtc                                     194
```

```
<400> 485
tccatatcca ggtagttctc caggggctgt tcatctacca ggggtgggagc ctcccactgg 60
gggaagt                                         67
```

<210>	490
<211>	532
<212>	DNA



<400> 493  
 agtgtgtgctgg aattcgccct tagcggccgc cctggcaggt aagctttttt tttttttttt 60  
 tttttttgat gattaacatc tttaattcaa atgkaaaagt tcaatacaag ccatttatag 120  
 ggcttgagat ttgttggctt tttaaaaaca araaatggg aaatgcaaca aaatgacctt 180  
 tccacttttc aaaagctttc aagtaaagga tagatcatag ggccataaaa gatccattta 240  
 atsaacccca cttttyaccc cctaccaatt gtcttacacc cantccacaa tcttaataca 300  
 tattcctgaa natttaca 318

<210> 494  
 <211> 360  
 <212> DNA  
 <213> Homo sapien

<400> 494  
 accttttact acaacaagta aacatgcata ataaagtagg attcatccaa tgtctgacct 60  
 ttctttgcat caaaagaaca ttccggcca ggcacggtgg ctacgcctg taatcccagc 120  
 actttgggag gccgagccag gtggatcacg aggtcaggag atcgagacca gcctggctaa 180  
 catggtgaaa ccctgtctct actaaaaata caaaatgag ccgggcatgg tgggggggca 240  
 ccgtagtccc agctacttga gaggctgaga caggagaatg gcgtgaaccc ggggggcgga 300  
 gcttgtagtg agccgagatc gcgccactgc actccagcct gggtgacaga gtgagactcc 360

<210> 495  
 <211> 329  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(329)  
 <223> n = A,T,C or G

<400> 495  
 gaggtctggg atggggcttc actgctgtga cttcctcctg ccaggggatt tggggctttc 60  
 ttgaaagaca gtccaagccc tggataatgc ttacttttct gtgttgaagc actgttggtt 120  
 gtttggttag tgactgatgt aaaacggttt tcttggtggg aggttacaga ggctgacttc 180  
 agagtggact tgtgtttttt ctttttaaaag aggcaagggt gggctggtgc tcacagctgt 240  
 aatcccagca ctttgagggt ggctgggant tcaagaccag cctggccaac atgtcagaac 300  
 tactaaaaat aaagaaatca gccatgaaa 329

<210> 496  
 <211> 292  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(292)  
 <223> n = A,T,C or G

<400> 496  
 acctgggatg aggtgggtgg agctttgaat ctaccactat ccaggccaca cacctagaag 60  
 ctctggtttc attgtttcat tgatttcatt gttttgattg atgctgacct taggcagcag 120  
 agttttcaat gctctccagg tgtttctaaa gtgcagacaa gtttangacc gtgcttgagg 180



gtgaagggca ggactgtgat ggggaggggc aaatatgggg cccttgggggt gcaggcaatg 240  
gttttccttg acctgaatgg gggctcaca ggtgtgcat atacatatac gt 292

<210> 497  
<211> 549  
<212> DNA  
<213> Homo sapien

<400> 497  
tcgaggtacc gaccatagag caagaatcaa gattctgcta actcctgcac agccccgtcc 60  
tcttcctttc tgctagcctg gctaaatctg ctcattatth cagaggggaa gcctagcaaa 120  
ctaagagtga taagggccct actacactgg ctttttttagg cttagagaca gaaacttttag 180  
cattggccca gtagtggtt ctagctctaa atgtttgccc cgccatccct ttccacagta 240  
tgcttcttcc ctccctcccct gtctctggct gtctcgagca gtctagaaga gtgcatctcc 300  
agcctatgaa acagctgggt ctttgcccat aagaagtaaa gatttgaaga cagaagggaag 360  
aaactcagga gtaagcttct agccccctc agcttctaca cccttcggcc ctctctccat 420  
tgctgcacc ccacccagc cactcaactc ctgcttggtt ttcctttggc catgggaagg 480  
tttaccagta gaatccttgc taggttgatg tgggccatac attcctttaa taaaccattg 540  
tgtacctgc 549

<210> 498  
<211> 412  
<212> DNA  
<213> Homo sapien

<400> 498  
cttgaagctg ggaggtggag gttgcagtga gccgagatca caccactgta ctccagcctg 60  
ggcaagagaa tgaaactctg tctcaaaaac aaaaaataaaa acaaaaaaaa aactcttgct 120  
attctgaaa tgtccacaat tcagcttca cctgcctcca tcctcatgaa ggcaccaggg 180  
gagcgcggtg ggctcacctg atttcttggt taggtctggt ctgttccttt tttatgcggg 240  
gtctgtcggg gggcactgct ccaatgtgag gggccaggc tccatcgtag cctcttaacc 300  
agctcagtgc caggaagggt ggactttgac aaaaaccac ctcaaatctg cactccccaa 360  
cctggagtgc aacctgtggc aagctcccta ggctctctgg gcctcagctt cc 412

<210> 499  
<211> 447  
<212> DNA  
<213> Homo sapien

<400> 499  
acttttaaga atatactttg atttaatatg tatgttagta aaactccacg tgttgtaacc 60  
attattatgt ttttgttttt aaaatgggga tgtaatacta ataaccacta cctataaaat 120  
aaagcacaca attgttccgg cgattttaca aatctttttt tccagggtga agtctacaa 180  
aaattccaaa aaattagaga aactgaaaa catattaaag tttgacatcc aactttatag 240  
tatttccatg ttaccctgaa agataactta aaaaatatgg ccttcttaga acaggccact 300  
ctgctattat aaaaaattgg tgacagcaag aaattgtatc actgatatgt ggaatttttg 360  
taaatagttt tctctccaaa tcattagaaa aatgttcaaa aataaaaaa aaataaaata 420  
tggtggtggt ccctaaacta ttttgaa 447

<210> 500  
<211> 527  
<212> DNA  
<213> Homo sapien

accagcagtg	tgtcagggtgc	tgcagagcgt	tcttgagaa	ggcccactga	ggcaggttcg	60
tgccctgctg	cggccagcct	gactagaccc	caccctgagg	tctctgattt	ctcagtcggt	120
gtgtaatcac	gttccagggc	ccaaagccca	gctctttgtt	cagttgactt	actgtttctt	180
accttaaaaa	gtaattgtag	atggaaatca	gttggtttt	gcangagaat	caataaaaaat	240

256

```
<210> 504
<211> 255
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G
```

<400> 504						
actgttaatg	atgttaatga	tttttttttta	aactcatata	ttggggatttt	cacccaaaata	60
atgcttttga	aaaaaaagaaa	aaaaaacgga	tatattgaga	atcaaagtag	aagtttttagg	120
aatgcaaaa	aagtcattctt	gcatacaggg	agtggttaag	taaggnttca	tcacccattt	180
agcactgcct	ttctgaagac	ttcagttttg	ytaaggagat	ttaggttkta	ctgctttgac	240
tqgtgagcct	ctasa					255

```
<210> 505
<211> 485
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(485)
<223> n = A,T,C or G
```

<400>	505						
agcttggtcc	gagctckgat	cccctagwaa	cgccgccagt	gtgctggaga	attccccctt		60
agcgtggtcn	ttgcccgagg	tacagaaaac	ccaaaggcaa	ccacatagca	tatgtaaaat		120
gtgcaaatca	ctttaaaatg	caagttattc	tatagcattt	gcaagataga	atttcactgn		180
aattagggaa	tctagttcat	cctaacttaa	tagtcttttg	catgtataga	caatgcaatt		240
ctacaaggca	caactcagcg	ttgatgctaa	agtatgaaac	acatcctcag	attattttatt		300
tgaaaaatatt	aaaatagcat	cgtttattat	tttttaatga	gtcatgagct	cattttctaaa		360
gcttcataaa	gcattacact	gataacatat	gtgtggtcag	gacaaaactgt	tccctgaact		420
taagaggtga	aggacaagac	cccatattat	tatcctgtat	taaaaaagga	aatatacata		480
tatgt							485

```
<210> 506
<211> 230
<212> DNA
<213> Homo sapien
```

<400> 506						
acaactccaa	aaggagacat	tggagaagaa	ccaagctggg	tctataagga	attgcacatg	60
agatgtgcaca	catattttatg	ctgtctgaag	gtcacgatca	tgttaccata	tcaagctgaa	120
aatgtgcacca	ctatctggag	atttcgacgt	gttttcctct	ctgaatctgt	tatgaacacg	180
ttggttggtc	qgattcagta	ataaatatgt	aaggcctttc	tttttaaaaa		230

<210>	507
<211>	179
<212>	DNA

<213> Homo sapien

<400> 507

acctacttct	ccacaccgct	gttgcttggg	aaaaagggca	tcgagaagaa	cctgggcatc	60
ggcaaactct	cctcttttga	ggagaagatg	atctcggatg	ccatccccga	gctgaaggcc	120
tccatcaaga	agggggamta	tccsgtgaac	accctgaaaa	gakccgctgt	gacgggtgg	179

<210> 508

<211> 321

<212> DNA

<213> Homo sapien

<400> 508

acagagtttt	atataaattt	aaaccaattt	ttaaaacaaa	actgcggaca	ccaccataaa	60
aatggaatca	aaagaaagt	aatttatgaa	attaagaggt	cagcagaata	tactcagtga	120
tggaagacac	ttgggaaagt	ctttttaata	gaacaagaac	gatcttaatt	taagaatatt	180
atcctgggtt	aacaacagt	ccctgtttac	aacagattgt	gccctatctc	atctgcagcc	240
gaggaataaa	ggattctgat	tagaaagagg	gttgccctaca	gattagtaag	caattccttg	300
gatcttatgc	acagaacttg	t				321

<210> 509

<211> 176

<212> DNA

<213> Homo sapien

<400> 509

acgtgggata	cgggtcatgg	gcagagctcc	tggcctcagt	gatgcctcct	gatctatcca	60
taggcctgga	agatcagcac	tgggatgacg	atgagcagaa	tggatcatgag	gatgcccasa	120
atcagggccc	acatgttcag	gcacttggcc	ggtggatgca	targcctggg	cccctg	176

<210> 510

<211> 298

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(298)

<223> n = A,T,C or G

<400> 510

accaacttta	tatcatatgt	ttatacaatt	taatttaaaa	attcatttta	aggaagacag	60
ataatttgaa	agacttttgt	ttttcttgac	ttaattcatg	aagtatcatt	ttttgactga	120
gtctccatth	acttcattct	taatgattat	tgtcatccct	ttaaactctgt	gcctttttct	180
tcttgagcga	agctgtttga	gtaaacctgt	tgaagagtgt	ttgtgtcttt	tgtgcttttt	240
tgttgntatt	aaaacaccaa	ctaaacctta	tagtcaagac	aaggctctat	gtttctgt	298

<210> 511

<211> 345

<212> DNA

<213> Homo sapien

<400> 511

acagattttt	gtatagctga	taagattctc	tgtagagaaa	atacttttaa	aaaatgcagg	60
------------	------------	------------	------------	------------	------------	----

```
<210> 512
<211> 459
<212> DNA
<213> Homo sapien
```

```
<210> 513
<211> 422
<212> DNA
<213> Homo sapien
```

```
<210> 514
<211> 326
<212> DNA
<213> Homo sapien
```

```
<210> 515
<211> 323
<212> DNA
<213> Homo sapien
```

```
<210> 516
<211> 403
<212> DNA
<213> Homo sapien
```

```
<210> 517
<211> 360
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(360)  
<223> n = A,T,C or G
```

```
<210> 518
<211> 255
<212> DNA
<213> Homo sapien
```

<210> 519  
<211> 449

<400> 519

<210> 520

<211> 92

<212> DNA

<213> Homo sapien

<400> 520

<210> 521

$\langle 211 \rangle$  123

<212> DNA

<213> Homo sapien

<400> 521

<210> 522

<211> 303

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

$\langle 222 \rangle$  (1)  $\bar{1}$  (303)

$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

<400> 522

<210> 523

<211> 424

<212> DNA

<213> Homo sapien

```
<210> 524
<211> 172
<212> DNA
<213> Homo sapien
```

```
<210> 525
<211> 256
<212> DNA
<213> Homo sapien
```

```
<210> 526
<211> 479
<212> DNA
<213> Homo sapien
```

```
<210> 527
<211> 220
<212> DNA
<213> Homo sapien
```



accaaattga	agggtttaga	ggccctcaaa	tgggcatcac	tcataaaggc	aattttcatg	60
gtttaatata	gaaattactc	taatgtgaga	acacaacatg	ggaactattc	aaaatacacc	120
tttctatgca	aaattgagtt	tgyatctatt	ttagcatttt	aatgagcac	tctgcaactg	180
agaccaaata	tcaatcatct	cttgagggtt	tctactatgt			220

<210> 528  
 <211> 373  
 <212> DNA  
 <213> Homo sapien

<400> 528						
acamcatcga	tgaaattcag	acatacaatg	taaagttgaa	ataatcccaa	attatttttac	60
attattttatg	tatactttac	aaataacaca	aatatggaaa	tgttttcttg	gaaagctggt	120
ggaactgtaa	gcactgcaac	gtatgaaaga	aacatattta	gcaataaaaa	atttaataat	180
atcctacaac	tgaattagtt	gcatattttat	accattcaaa	atcttgattt	taacctcatt	240
cactcctttg	aaaaatacat	tcctcttttg	ttctttttaa	tgcaaaaatta	gtggcagttg	300
cagcaaaaac	gccgaaattc	tataagaaaa	aaactgattt	accccaaaca	tatcattcag	360
cacaaactgc	ggt					373

<210> 529  
 <211> 344  
 <212> DNA  
 <213> Homo sapien

<400> 529						
acattttctaa	gtcaaacact	tgtgactttt	gctttaattc	catgaatggt	cctgcctcct	60
tgatatttgt	atttattcct	tttttctcta	gagtagaggt	ataattgtgt	gatatttcag	120
aaatacagat	aatgattca	aaaagtcaca	gttaaggaga	atcatgtttc	tttgatcatg	180
aataactgat	tagtaagtct	tgcttatatt	ttcctgatag	catatgacaa	atgtttctaa	240
ggtaacaaga	tgagaacaga	taaagattgt	gtggtgtttt	ggatttggag	agaaatattt	300
taatttttaa	atgcagttac	aaattataat	gtattcatat	ttgt		344

<210> 530  
 <211> 354  
 <212> DNA  
 <213> Homo sapien

<400> 530						
accattgctc	tttcctagct	aaccctagat	atggcagctc	tttaatgtac	ctgagatcct	60
ggtgcacaac	atagtgatct	tcatgcgaac	ttcagtgaag	atttcataca	ttggcctcat	120
gacccagagc	tccttgagga	cacatcacta	tgtggattgt	ggaggaaatt	ccacagctat	180
ttaacaactg	ctattggttc	ttccacacag	cgctgtaga	agagagcaca	gcatatgttc	240
ccaaggcctg	agttctggac	ctacccccac	gtggtgtaag	cagaggagga	attggttcac	300
ttaactccca	gcaaacatcc	tcctgccact	taggaggaaa	cacctcccta	tggt	354

<210> 531  
 <211> 418  
 <212> DNA  
 <213> Homo sapien

<400> 531						
acacatccca	tcttcaaatt	taaaatcata	ttgtcagttg	tccaaagcag	cttgaattta	60
aagtttgtgc	tataaaattg	tgcaaatatg	ttaaggattg	agaccacca	atgcactact	120
gtaatatctc	gcttcctaaa	tttcttccac	ctacagataa	tagacaacaa	gtctgagaaa	180

```
<210> 532
<211> 583
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(583)
<223> n = A,T,C or G
```

```
<210> 533
<211> 529
<212> DNA
<213> Homo sapien
```

```
<210> 534
<211> 297
<212> DNA
<213> Homo sapien
```

<400> 534						
actcattaat	attatttttgt	tttgagaaag	ccagaaatga	ttctaagaaa	taaacaataa	60
taataaaaaga	tgtaattaat	atactgtatc	ccttttaagc	caaagcacac	tttttacctc	120
aagactgttc	tgacttttac	attcttaatt	tcctttgtcc	aaaataggac	cccattttta	180
atagagttca	tttgaattga	gttcataatc	taaagtcact	tttcccaca	agatgttttc	240
atttcagtat	ataaactgct	aagcggcaaa	tgactaagtc	agttataaag	aattttgt	297





```
<210> 543
<211> 452
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G
```

```
<210> 544
<211> 472
<212> DNA
<213> Homo sapien
```

```
<210> 545
<211> 281
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(281)
<223> n = A,T,C or G
```

```
<210> 546
<211> 423
<212> DNA
<213> Homo sapien
```

```
<210> 547
<211> 399
<212> DNA
<213> Homo sapien
```

```
<210> 548
<211> 246
<212> DNA
<213> Homo sapien
```

```
<210> 549
<211> 413
<212> DNA
<213> Homo sapien
```

&lt;400&gt; 549

acaaactggt	atittatact	gttccaatgc	cagtaatcaa	tttattttct	tcattaaaat	60
aatatacaca	gaatgtattg	ttagttcgat	tccttcaaat	tttatacata	tttactttct	120
gttaaagaga	aaaggataaa	atgggtataaa	aaaagataaa	gctattaatt	aagcacgaga	180
gagaagataa	atggatattt	tccctgtgtg	aggctaagac	agaagcaa	ctcgttaaga	240
aaaatgccac	ccacacaaca	ggaaatttat	ccaaaacaaa	acaaaagcag	ttatagaacc	300
ccttctctac	catcagaagt	aatttcacag	caataaactt	attggttaca	acagacatac	360
ttgaacagtt	aaggatggga	agaaaggctt	aagatatcac	caaattaaac	cgt	413

&lt;210&gt; 550

&lt;211&gt; 215

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 550

acataagggt	caaagtttcc	tttccttttt	ttattttatt	tatatatttc	aatgtttttt	60
ttccataata	tttaagtttt	tcgatgttta	gatatatttc	ttcgggtgaag	cacaagtwtc	120
ttttcatggy	ccctgakcaa	ttttaaacag	ttggaacacc	ggtggcactg	ataactgcty	180
tctgggcagc	ctcttttagct	tgggggggctb	gtagg			215

&lt;210&gt; 551

&lt;211&gt; 175

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(175)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 551

ggcggaggag	cggtaaactac	cccggctgcg	cacagctcgg	cgctcccttc	cgctccctca	60
cacaccggcc	tcagcccgcga	ccggcagtas	aagatggtga	aagaaacaac	ttactacgat	120
gttttggggg	tyaaaccccaa	tgctactcat	gaanaattga	aaaaygctta	tmmga	175

&lt;210&gt; 552

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 552

acagtgtata	ctatccccac	caaaggaaaa	aaacattaag	agcaaaacaa	ggggtggggg	60
gtgggaatat	tgctaaagaa	aattctaata	agagttatct	ataattatag	ctttttattta	120
ttatatcttc	attcaatcat	ttattcacaa	ttagtcta	tgcatctctg	atgaataact	180
gacttcagca	aaggagtcaa	tcactaagc	aaagttcatt	tatttttcat	gatgttcttc	240
tttcgatctt	gagtctttac	tctcctggat	tccaagaga	actgcattag	cctctagt	298

&lt;210&gt; 553

&lt;211&gt; 437

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 553

yacaatggct	taagcaaadc	gcttttagttt	tttttctatt	taagatttag	gacagactac	60
------------	------------	-------------	------------	------------	------------	----

tcgtctaaaa	ttcactat	acagagaagg	tcctaggga	caggataact	tatttaggtt	120
tagctctcat	aatacaatat	ccataatggc	tttagaagaa	tgtaaataaa	taacattggt	180
aaacagcgta	tactgatatt	ttctgacaaa	ctcattttatc	taacatcatg	ctgagcaatc	240
aagaggattc	ctctatatat	tttaaat	aattttattct	atttcctgat	tcacaaactc	300
ttgctccatg	ttaaagcagt	tatcaccaat	agaacctatg	agaaccagtg	cccatggaaa	360
cctaacagct	tggtttttta	atccccctatt	aaaactcggg	tgaacttgat	atatgcatgg	420
ttgaaatatg	cgtgggt					437

&lt;210&gt; 554

&lt;211&gt; 575

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 554

ycgaggtact	tttgacaaca	tttatctgca	tgtccagatc	agcaatgagt	cggaattga	60
cttctacagg	aagtttggt	ttgagattat	tgagacaaag	aagaactact	ataagaggat	120
agagcccgca	gatgctcatg	tgctgcagaa	aaacctcaaa	gttccttctg	gtcagaatgc	180
agatgtgcaa	aagacagaca	actgaacaaa	ttacaaatga	actttcttgc	acttgcttgt	240
cgccaaataa	aagagaggcc	cattgattcc	tccccaccc	caacactttt	cttttaaagc	300
ttttctccct	ccttgttcct	gtttttcttt	cttcctttcc	ttttctctga	gagttttaat	360
actttcaagg	actttaaaaa	aataatcatg	tttgaattgt	tttctcttat	ttttgtgagg	420
tggtttgaa	gaaggacaag	gtagatctgt	ttagttttgc	agttgaagtt	agatggctct	480
aaacatttaa	ttgtcaaata	atttcaaatt	taatgtcctg	ctttcacatt	gaagggcaga	540
gcctacaaaa	cattgtatat	ttcaaaagac	aaaaa			575

&lt;210&gt; 555

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 555

accgaacat	gaccacccct	ggcaagagcc	ttcatgcacc	tagcaagtag	tcacagcatg	60
catgtgcta	gaattgttac	gtggtcaaat	tatattattg	tgtattccca	ccaacagtat	120
gagaaggtcc	acttctccat	acctccacaa	ctctgggcat	ctaaaacttt	taaaatcctg	180
gaatcatagg	caaaaaaaaa	aaaattcacc	catattttcc	tctagt		226

&lt;210&gt; 556

&lt;211&gt; 298

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 556

acttcatata	agtggaatca	tatagtattt	gtccttttct	gtctggctta	tttcacatat	60
aatgtcttcc	aggttcatca	tattgtagca	catgtcagaa	tttcattcct	ttttaagggt	120
gaataatatt	ccattatgtg	tataccacat	tttgtttatc	cattcatcca	tcaatagaca	180
tttgggtatt	tccaggacaa	tatattctta	atttaatccc	acattttaag	acttacaggt	240
aatttaaatt	caattcaact	tactgagtat	ttactaaggg	taactcacta	tgggaagt	298

&lt;210&gt; 557

&lt;211&gt; 166

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 557



```

actaatgggtc tacatccgat tcaaaaccac atagttcatt gatcacagat gcatgggtatt    60
agtcacgaaa gtttcagaac acattgtgtt gattttgaaa ggtcatttgc atcttctatg    120
atttcaactt tatctccatt taacttgctt gtaaagtatg tatgat                    165

```

```

<210> 558
<211> 461
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G

```

```

<400> 558
actccctggt ttgagaaact ttcttgaaga acaccatagc atgctggttg tagttgggtgc    60
tcaccactcg gacgaggtaa ctcgttaatc cagggtaact cttaatgtta cccagcgtga    120
actcgccggg ctggcaacct ggaacaaaag tcctgatcca gtagtcacac ttctttttcc    180
taaacaggac ggaggtgaca ttgtagctct tgtcttcttt cagctcatag atggtggcat    240
acatcttttg cgggtctttg tcttctctga gaattgcatt ccctgccagg cctaccacat    300
accacttccc ctggaattgg ttgtcctgga agttctgctg cagagggacc ttgctcagag    360
gtggggctgg gatcaggctt gaggtggagt cctgggcctg ggcatgcaga gcccccaaca    420
gggctaggcc cagccacagg agacctangg gcatgatttc a                        461

```

```

<210> 559
<211> 193
<212> DNA
<213> Homo sapien

```

```

<400> 559
accagacaga atcaggaaaa aaaaattgaa aataagcata acactataaa gaaaacttgg    60
aaaagtgaag cacttctaaa taaaaaatat acacctggcc tggcacccat tacatatata    120
cataatacat gttataaaca tatatacagt aaatgttttg gtagcaatac agaccatgca    180
ttggtctttg tgt                                                    193

```

```

<210> 560
<211> 125
<212> DNA
<213> Homo sapien

```

```

<400> 560
acacaattat tctcactctc cacagaaagg ctgcttaact tctcatcttg wggwggsaag    60
cactaaaatc ctgattttta cagaatagta gkaaaaaatgc ctcagtgtat taagttgaaa    120
gcagt                                              125

```

```

<210> 561
<211> 325
<212> DNA
<213> Homo sapien

```

```

<400> 561
ccgaggtacc acggcctcag agtcacagct ttgtgacatt aggggggcaat ctccagcttt    60
acgttttaga agacagtttg ttttttgatg tatattttta atatccccag attaaagaaa    120
actcagggca agtaacacac taaaagggcc ttacaaattt ttttcttgct gttattttga    180

```

```
<210> 562
<211> 303
<212> DNA
<213> Homo sapien
```

```
<210> 563
<211> 279
<212> DNA
<213> Homo sapien
```

```
<210> 564
<211> 427
<212> DNA
<213> Homo sapien
```

```
<210> 565
<211> 214
<212> DNA
<213> Homo sapien
```

<400> 565							
tcgagggtact	gggtcttttc	cagccaggcc	tgcaacggtg	accttaatcc	cagctcgcct		60
catgcacatct	acaggggatga	ccgtctccat	ttcctctgct	cctttagcca	ggatgaccag		120
agctcatttt	gaagccattt	ttagtttata	tgtttacaag	ccccacacca	ggctgaaaaa		180
gaacgcacgc	caqcacqcac	gcgcgcgcgc	cggc				214

<400> 566

```
<220>  
<221> misc_feature  
<222> (1)...(271)  
<223> n = A,T,C or G
```

<400> 567

```
<210> 568
<211> 340
<212> DNA
<213> Homo sapien
```

<220>

```
<221> misc_feature
<222> (1)...(340)
<223> n = A,T,C or G
```

<400> 568

<210>	569
<211>	156
<212>	DNA

ctggagccgc	tgtggttgct	gtccgcggag	tggaagcgcg	tgcttttggt	tgtgtccctg	60
gccatggcgc	tgcagctctc	cggggagcag	ggaatcaccc	tgcgcgggag	cgccgaaatc	120
gtggccgagt	tcttctcatt	cggcataaac	agcattttat	atcagcgtgg	catatatcca	180
tctgaaacct	ttactcgagt	gcagaaatac	ggactcacct	tgcttgtaac	tactgatctt	240
gagctcataa	aatacctaaa	taatgtggtg	gaacaattga	aagattgggt	atacaagtgt	300

tcagttcaga aactggttgt agttatctca aatattgaaa gtggtgaggt cctggaaaga 360  
 tggcagtttg atattgagtg tgacaagact gcaaaagatg acagtgcacc caga 414

<210> 574  
 <211> 414  
 <212> DNA  
 <213> Homo sapien

<400> 574  
 ctggagccgc tgtggttgct gtccgcggag tggagcgcg tgcttttggt tgtgtccctg 60  
 gccatggcgc tgcagctctc ccgggagcag ggaatcacc tgcgcgggag cgccgaaatc 120  
 gtggccgagt tcttctcatt cggcatcaac agcattttat atcagcgtgg catatatcca 180  
 tctgaaacct ttactcgagt gcagaaatac ggactcacct tgcttgtaac tactgatctt 240  
 gagctcataa aatacctaaa taatgtggtg gaacaattga aagattgggt atacaagtgt 300  
 tcagttcaga aactggttgt agttatctca aatattgaaa gtggtgaggt cctggaaaga 360  
 tggcagtttg atattgagtg tgacaagact gcaaaagatg acagtgcacc caga 414

<210> 575  
 <211> 417  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(417)  
 <223> n = A,T,C or G

<400> 575  
 tggatatgggt catataggtt cgggtacaaca tgaagccatg gtccctgggta tggagaagt 60  
 agtacttcag acaaacagaa ataaaagagg acactgtgac tatagccaag gaacttttgc 120  
 gtatagctgt taaggagggt tgtcatctcc accagatgtg ggtttatgcc ttacctgctt 180  
 gacagcctca aagggtcattg gcaagattga atgaatgggc ccacgggggc aaagcaagtc 240  
 taggaaagcc agtaaattgcc caacctatta gaataaggga gaagaattag aatatcaggg 300  
 aagtttctgg atagaggaca agaaagaata ggctatttag aaaaaaaaaa gtgtggtccc 360  
 attattttca ggcttcaccc tanatgacac atgagcaaaa gcccacttcg ccatcat 417

<210> 576  
 <211> 245  
 <212> DNA  
 <213> Homo sapien

<400> 576  
 ggaagggggg accctgccaa agatgagggt ccagctgccc tgggggggagg gtggtggcca 60  
 ttactagagg gggcctgggt cctctcccca ggggctgcc gcatccaggc caggaagcct 120  
 ggagccaaga accttctggc tctgaggagg caagagctgg caggcggcag ggctggcaca 180  
 gacagacgga agcagaaagg acagtttggc tgctgtgtct gctgcgcacg cccctcccc 240  
 ggaca 245

<210> 577  
 <211> 418  
 <212> DNA  
 <213> Homo sapien

<400> 577

gaaaaccctt	taatgttggg	ctttctttta	ataaaacaga	aaggttgcag	ctttcccatg	60
gtggctgtaa	ggcaagaaca	gcagtgaagg	cgggcggtgt	ctatcgggca	gtgctgcagc	120
ccttgactct	ggctcaaggt	gggcttcctg	gaggcagcgg	caaggaggca	gttctggatg	180
tgcaggcaca	gatgtagggg	aacaggcaag	cgggcacagg	gccctgagct	gacaagcagt	240
gacccctgca	cccagctaga	tggggcaccc	cctctctggg	agctgagggc	atcagctgga	300
gcctcaggct	gggaccagcc	ccaactttgc	cttggtgact	ctgggccatt	ccaggcctca	360
gtttcccac	tgtaaggtga	ggcattaggc	aggagggggt	ggccccagcc	agtgtcct	418

&lt;210&gt; 578

&lt;211&gt; 363

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(363)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 578

aaagcccaga	aggcacttta	ttggaggtct	ctgcctccat	tcacaggaga	aaggagctgg	60
gagcccatc	ctaggggtccc	agcatcagcc	cactggaggg	cctggaacag	tccagcactc	120
tgtgggagag	gagtggggag	gggaatgttt	tanaaaaaat	agatctctat	gtacatctga	180
catatttata	tagcacataa	attagggagt	gctctgaccc	ctgcccgtgg	agcccaagca	240
ctgagcaggg	aggtgaacgc	cagtccagaa	agaaggtgct	ggagcccctg	ctctgttctc	300
tccatcacgg	ggctccccta	gggcctcccc	aggcctcctt	ggctcagtc	aggtttgtct	360
gca						363

&lt;210&gt; 579

&lt;211&gt; 403

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 579

ggaataatca	gctcttctgg	cccacaagta	ggaatgatca	atgagaactt	aacttagtcc	60
tttatttggg	gattttttca	tcaaacaaaa	atttcttgaa	ttggggagac	cacttccctg	120
taactccagt	attgccccct	ctcacttttag	catatattaa	ttagcagggt	gggctagaga	180
aatcagctgc	tatgcggggt	gattattatt	attattttcta	atccttttcc	ttatttgcc	240
tctactcccc	ttaatcta	ctaaaagctc	tgttccatgc	aactggagtt	ccttatccct	300
ctcttcccc	tcccttatat	attgaggcta	tggggtagga	gaaaagtgca	caaccaccca	360
ccccctttac	tcgtgcatta	aaattttctta	tttacccttt	tcc		403

&lt;210&gt; 580

&lt;211&gt; 403

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 580

ggaataatca	gctcttctgg	cccacaagta	ggaatgatca	atgagaactt	aacttagtcc	60
tttatttggg	gattttttca	tcaaacaaaa	atttcttgaa	ttggggagac	cacttccctg	120
taactccagt	attgccccct	ctcacttttag	catatattaa	ttagcagggt	gggctagaga	180
aatcagctgc	tatgcggggt	gattattatt	attattttcta	atccttttcc	ttatttgcc	240
tctactcccc	ttaatcta	ctaaaagctc	tgttccatgc	aactggagtt	ccttatccct	300
ctcttcccc	tcccttatat	attgaggcta	tggggtagga	gaaaagtgca	caaccaccca	360
ccccctttac	tcgtgcatta	aaattttctta	tttacccttt	tcc		403

<400> 581

$\langle 220 \rangle$

<400> 582

<220>

<400> 583

```
<210> 584
<211> 431
```

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 584

```

cactgttgct gttttcagat acaccagaag agggcatcag atctcattat ggggtggtgt      60
gagccaccat gtggttgctg ggatttgaac tcaggacott cggaagaaca gtcagtgtct      120
ttaaccactg agccatctct ccagcccaga tttccttttg atggtgaagc attttaattt      180
taccattttg ctttgaaagg gcactgctct atgttctggc actatcggta ttctggactc      240
ctcttcgtaa aacatttctt tataacaaaa ggtgcactta cttttatttc ggtgtgtgtt      300
ttgcctgcat gaacgacttg acatctcaag cctacctggg gtctggagag gcccgaaacag      360
gatgtcagat gccctagaac tagagatacc gaccgttggt cgctaccatc tgggtgctgg      420
gaattgaact a                                     431

```

&lt;210&gt; 585

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 585

```

aagagagaaa gagaacattt ttataccaag gagggattga ctttcagaaa agagtagact      60
tctctctcct cccttcctcc aaaaaaagaa gttggaaacc ttctgttttt gtgtgtgtgt      120
ttttggttgt tctttgtttg tttttgtttt tgagatggag tctcactctg tcaccacgc      180
tactgcagtc agcctgggtg acagagtaag attctgtctc aaaagaaaaa aaaagacaga      240
aaagaaatgg actctgatgg aaaagatgtg tacaaggctg attatactaa gcagagggat      300
atttaaataa atgctaagaa gagaggcagg tgaagctcca ggggagccat ccttcccaaa      360
tgttcactta aattttcagc ggtttgggta tgccagatgg tgaacctagg ta             412

```

&lt;210&gt; 586

&lt;211&gt; 431

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 586

```

aagaaaaggg agccaagaag aaagtgggtg atccattttc taagaaagat tggatatgatg      60
tgaaagcacc tgctatgttc aatataagaa atattggaaa gacgctcgtc accaggaccc      120
aaggaaccaa aattgcatct gatggtctca agggctcgtg gtttgaagtg agtcttgctg      180
atttgacaaa tgatgaagtt gcatttagaa aattcaagct gattactgaa gatgttcagg      240
gtaaaaaactg cctgactaac ttccatggca tggatcttac ccgtgacaaa atgtgttcca      300
tgggtcaaaaa atggcagaca atgattgaag ctacggttga tgtcaagact accgatgggt      360
acttgcttcg tctgttctgt gttgggttta ctaaaaaacg caacaatcag atacggaaga      420
cctcttatgc t                                     431

```

&lt;210&gt; 587

&lt;211&gt; 132

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(132)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 587

```

aactttccca tgggtcaaagg aaaaacaagc aggagttgag tggctggggg ggggtgcagg      60

```



```
<210> 588
<211> 425
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G
```

```
<210> 589
<211> 425
<212> DNA
<213> Homo sapien
```

```
<210> 590
<211> 425
<212> DNA
<213> Homo sapien
```

<210> 591



ggggg

425

<210> 595  
 <211> 162  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(162)  
 <223> n = A,T,C or G

<400> 595  
 ctttacatta ttttttttcc aaaaagacta gtattttatac aangggcaat agaaacaaaa 60  
 acaaaaaccc ttccgactgc cacctggaag gggctggctg gnctgctccc tctcccacct 120  
 ggaacngggg ggggcactgg gcaggaggga atgnnggan gn 162

<210> 596  
 <211> 283  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(283)  
 <223> n = A,T,C or G

<400> 596  
 aaggtgactc aacaccntct tcctcaagga cttcttggtg atactctctt gtcttttcca 60  
 gttaccctct tcctcctttg tcctctgtgc ttgggctcac aacttnatgg nctgnacttn 120  
 ataaaaaac natggcaact ttgncctgan tgnccnccctn cccaanctga nctggntgga 180  
 anaagaaact tggaaactat ntnanccatg gntttgggan nctnccccct tncccatgnc 240  
 tnctaataaa accatgcant gcctttggag agaagagacc ccc 283

<210> 597  
 <211> 426  
 <212> DNA  
 <213> Homo sapien  
  
 <220>  
 <221> misc\_feature  
 <222> (1)...(426)  
 <223> n = A,T,C or G

<400> 597  
 gaaatacaaa tgtggattct catcactgaa aaatctttga ngntgngttt attcctttca 60  
 tcattttttta aatatttttt ttactgccta tgggctgtga tgtatataga agttgtacat 120  
 taaacatacc ctcatTTTTT tcttttcttt tttttttttt ttttttagccc aaagtttttag 180  
 tttctttttc atgatgnggn acctccnaag ngatggnaga tttaaataat tttttatTTT 240  
 tatTTTtatat atttnttcat tagggccttt tctcccnaaa acgaaanaaa aantccnaaa 300  
 aacnaaaccc aaaaaaanag aggttantgt ccnagtttct gtatgtataa agtcntncnc 360  
 gatttcagga gagcncTggn cccaatttgc tcntgaatc aaggngngna aatggTTTTT 420  
 ttggcg 426

```
<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G
```

```
<210> 599
<211> 415
<212> DNA
<213> Homo sapien
```

```
<210> 600
<211> 208
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(208)
<223> n = A,T,C or G
```

```
<210> 601
<211> 165
<212> DNA
<213> Homo sapien
```

<400> 604

```
<210> 605
<211> 417
<212> DNA
<213> Homo sapien
```

```
<210> 606
<211> 413
<212> DNA
<213> Homo sapien
```

```
<210> 607
<211> 414
<212> DNA
<213> Homo sapien
```

<400> 607

attttcatta	aaactgtcag	aatttgctta	ctataattat	gatacagtcc	aaagaatgca	60
gtcacttttt	atcatgttaa	ctaattgttc	tcttttgaag	atctatggtt	gactaattaa	120
acaataattc	aagtagagtg	tcccagaaaa	aaaccacttg	ggctccctgt	ttggagctctg	180
gctggctctg	agcattgcca	atggccccta	ctcacctgac	tttgtatcct	ctccttttag	240
aggctttgca	ttctgcaccc	agcttcacta	acagtgggct	gaaaacatcc	ttggggttag	300
tgtttcattt	gggagttatt	tggccagggc	cttttgaaca	gtaagtgtcc	ccatgaagtg	360
ctagataata	tatggnqtaa	aqanqtcagc	tttttttttt	tttttaactc	taac	414

```
<220>  
<221> misc_feature  
<222> (1)...(415)  
<223> n = A,T,C or G
```

```
<210> 609
<211> 420
<212> DNA
<213> Homo sapien
```

```
<210> 610
<211> 158
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(158)
<223> n = A,T,C or G
```

```
<210> 611
<211> 159
<212> DNA
<213> Homo sapien
```

<220>  
 <221> misc\_feature  
 <222> (1)...(159)  
 <223> n = A,T,C or G

<400> 611  
 tcgacactag tggatccaaa ggaagatggc ggacattcag actgagcgtg cctacccaaa 60  
 gcagccgacc atctttcaaa acaagaagag ggtcctgctg ggagaaactg gcaaggagaa 120  
 gctcccgcgg tntacaaga acatcgntct gngnttcaa 159

<210> 612  
 <211> 419  
 <212> DNA  
 <213> Homo sapien

<400> 612  
 gcatttttta ttaagacatt tggggcccga gtttctctc ctctcccct ccctctgtg 60  
 ctctctaaat tcagcttttg gaaacctaa tgtgccacc ttcccagca ggtagccaga 120  
 gcctccgggg tccctcttcc ttcttcttt ctcccagat actgcaagag acaccaagt 180  
 ctgctgtcag cagagggatga agcgtctggc actgatgtt atgcgcgtga gtcccagatg 240  
 ccgcagcggg ggggccagag gcaagccagt cccagactct aactccatct ccagctcagc 300  
 ctcatccaga agctcctggt gcaggtgaca gacttggtcc actttcagtc tgtgcagccg 360  
 ggcccgcagc ctgagcagct gccctgccag ctgccggtcc tgagcccga tctctgca 419

<210> 613  
 <211> 419  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(419)  
 <223> n = A,T,C or G

<400> 613  
 cccatactg aggcatataa agtttgcaaa accaaggggc ctgtcttccc aaggctttac 60  
 tataaaatct gggttaggct aaaacttatt atgtagacca gagaggcgtt gattttaaac 120  
 caatcatcct gtctcatctt cattatttct ggctttatga gcagaatgtc ctgctacctt 180  
 tggcttctta taaagatctt taatggagta ttttaaacad tggaaaatcc atgagtttga 240  
 gcttatttgg agaatgctgc taagaatggg attgactgac ataacttact agcctctttc 300  
 ctgcttgagg tacagcagtt ttcaatccca atgtgtaaag tgcttagaag ttatcactcc 360  
 ccaccttaga gcaaaaacct tcagagaact tcagncactc caccaggcaa atagcacct 419

<210> 614  
 <211> 123  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(123)  
 <223> n = A,T,C or G

<400> 614



gnggtatgga ctagaaaact tggaatgact catgaanaaa ccttggaatg acacatgaag 60  
 catgataggg aaantnattc tgaggcnnga ngcttnactg aattntttcc anccagnngt 120  
 ntt 123

<210> 615  
 <211> 362  
 <212> DNA  
 <213> Homo sapien

<400> 615  
 gaccttgagg ttctcatcggg tgattgccct tgattttctta ggcttttggt tcagtgacaa 60  
 accgagacca catcactatt ccatatttga gcaggccagc atcgtggaag cgcttttgcg 120  
 gcatctgggg ctccagaacc gcaggatcaa ctttctttct catgactatg gagatattgt 180  
 tgctcaggag cttctctaca ggtacaagca gaatcgatct ggtcggctta ccataaagag 240  
 tctctgtctg tcaaatggag gtatctttcc tgagactcac cgtccactcc ttctccaaaa 300  
 gctactcaaa gatggagggtg tgctgtcacc catcctcaca cgactgatga acttctttgt 360  
 at 362

<210> 616  
 <211> 210  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(210)  
 <223> n = A,T,C or G

<400> 616  
 tgatgccacc ccgtcacccc tcccctcctg agcagggatc caagaatgtg ccaagagtcc 60  
 cgccagcctc agccagggtg gcctgtatat aggggtccatg tgcaataggg agggacgtct 120  
 tctatttttt gctgccccct ccccgccccac tgtctnngggg caggggggaga aggtattttc 180  
 nagataaaagc acangcacca caaataaaaag 210

<210> 617  
 <211> 511  
 <212> DNA  
 <213> Homo sapien

<400> 617  
 acgagctttc gtggctcact ccctttcctc tgctgccgct cggtcacgct tgtgcccga 60  
 ggaggaaaca gtgacagacc tggagactgc agttctctat ccttcacaca gctctttcac 120  
 catgcctgga tcacttcctt tgaatgcaga agcttgctgg ccaaaagatg tgggaattgt 180  
 tgcccttgag atctattttc cttctcaata tgttgatcaa gcagagttgg aaaaatatga 240  
 tgggtgtagat gctggaaagt ataccattgg cttgggccag gccaagatgg gcttctgcac 300  
 agatagagaa gatattaact ctctttgcat gactgtgggt cagaatctta tggagagaaa 360  
 taacctttcc tatgattgca ttgggagggt ggaagttgga acagagacaa tcatcgacaa 420  
 atcaaaagtct gtgaagacta atttgatgca gctgtttgaa gagtctggga atacagatat 480  
 agaaggaatc gacacaacta atgcatgcta t 511

<210> 618  
 <211> 511  
 <212> DNA

<213> Homo sapien

<400> 618

acgaggccac	agaggcggcg	gagagatggc	cttcagcggg	tcccaggctc	cctacctgag	60
tccagctgtc	cccttttctg	ggactattca	aggaggtctc	caggacggac	ttcagatcac	120
tgtcaatggg	accgtttctca	gctccagtgg	aaccagggtt	gctgtgaact	ttcagactgg	180
cttcagtggg	aatgacattg	ccttccactt	caaccctcgg	tttgaagatg	gaggggtacgt	240
ggtgtgcaac	acgaggcaga	acggaagctg	ggggcccgag	gagaggaaga	cacacatgcc	300
tttccagaag	gggatgccct	ttgacctctg	cttctgtgtg	cagagctcag	atttcaaggt	360
gatggtgaac	gggatcctct	tcgtgcagta	cttccaccgc	gtgcccttcc	accgtgtgga	420
caccatctcc	gtcaatggct	ctgtgcagct	gtcctacatc	agcttccagc	ctcccggcgt	480
gtggcctgcc	aaccggctc	ccattacca	g			511

<210> 619

<211> 413

<212> DNA

<213> Homo sapien

<400> 619

gaattcggca	cgagctggac	aggagaagag	cctggctgct	gaaggcaggg	ctgacacgac	60
cacgggcagc	attgctggag	ccccagagga	tgaaagatcg	cagagcacag	ccccccaggc	120
accagagtgc	ttcgaccctg	cgggaccggc	tgggctcgtg	aggccgacat	ctggcctttc	180
ccagggccca	ggaaaggaaa	ccttggaag	tgctctaata	gctctagact	ctgaaaaacc	240
caagaaactt	cgcttccacc	caaagcagct	gtacttctct	gccaggcagg	gtgagctgca	300
gaaggtgctt	ctcatgctgg	ttgatggaat	tgatccaac	ttcaaaatgg	agcaccaaaag	360
taagcgttcc	ccattacatg	ctgctgcgga	ggctggccac	gtggacatct	gcc	413

<210> 620

<211> 415

<212> DNA

<213> Homo sapien

<400> 620

gaattcggca	cgagcggcga	cggtggtggt	gactgagcgg	agcccgggtga	caggatgttg	60
gtgttggtat	taggagatct	gcacatccca	caccgggtgca	acagtttgcc	agctaaattc	120
aaaaaactcc	tggtgccagg	aaaaattcag	cacattctct	gcacaggaaa	cctttgcacc	180
aaagagagtt	atgactatct	caagactctg	gctggtgatg	ttcatattgt	gagaggagac	240
ttctgatgaga	atctgaatta	tccagaacag	aaagttgtga	ctgttggaca	gttcaaaatt	300
ggtctgatcc	atggacatca	agttattcca	tggggagata	tggccagctt	agccctgttg	360
cagaggcaat	ttgatgtgga	cattcttata	tcgggacaca	cacacaaatt	tgaag	415

<210> 621

<211> 421

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(421)

<223> n = A,T,C or G

<400> 621

agaattcngc	acgagtggca	gcctaagccg	tgggaggggt	ccagtcgaga	atgggaagat	60
gaaagacttc	agatggaaca	gaaataaatg	ccttttttga	caaacgcagc	agtgcgtgcc	120

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tctagcttgc aagagcgtta ctcccccttca tagcttttaa aggttttctgc actgcgtgca 180
gttagagtag ctaaatcttg tgtgacgctc cacaaacact tgtaagaatt ttgcagagaa 240
agataaccgt tgccacccaa tgccccccac aggcaattcta ctcccagta cctcttaggg 300
tgggagaaat ggtgaagagt tgttcctaca acttgctaac ctagtggaca gggtagtaga 360
ttagcatcat ccg gatagat gtgaagagga cggctgtttg gataataatt aaggataaaa 420
t 421

```

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<210> 622
<211> 431
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

```

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<400> 622
ccgggggngg ncctggncat aaaactttta attttactag tgttacttaa tgtatattct 60
aaaaagagaa tgcagtaact aatgccctaa atgtttgatc tctgtttgtc attacttttt 120
caaaattatt tttttctgta aagtataata tataaaactt cttgcttaaa ttgaatttct 180
atattagtgg ttaattgcag tttattaaag ggatcattat cagtaatttc atagcaactg 240
ttctagtgtt ttgtgttttt aaaacagaaat taggaatttg agatatctga ttatattttt 300
catatgaatc acagacctcg gccgcgacca cgctaagggc gaattccagc aactggcg 360
ccgctactag tggatccgag ctcggtacca agcttgggcg taatcatggt catagcctgt 420
ttcctgtgtg a 431

```

```

<210> 623
<211> 421
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(421)
<223> n = A,T,C or G

```

```

<400> 623
agaattcggc acgaggaaac atggactgcc ccttaaattt tgactgtcct aaaaacctat 60
ttctgattta taatatgctg nctgataaag tgacactaga ngnaccnact nnatggttta 120
aatcttccca ttcccagaat ccagaatttt ggaagccatt ttaaccaggg gtattttttn 180
caccattacc ttttggaact ttccaaatta atggcctttt aaaaagggtg gaaggggaaa 240
accaaaaggc caaaatttta aaaagggttg gggggggaac cttaaaaaaa aaaatgggtt 300
ttggggccnc ctttttttaa aaggccaaaa nttttttggg ttccaattaa aaaaatttcc 360
tttttccaac caaaatttaa gaaaaggnaa aattaaaaaa attncaaaaa ttggnntttt 420
t 421

```

```

<210> 624
<211> 421
<212> DNA
<213> Homo sapien

```

```

<400> 624
aagaattcgg cagcagcgga tgtgctcact gacattctac tccaagtcgg agatgcagat 60

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ccactccaag	tcacacaccg	agaccaagcc	ccacaagtgc	ccacattgct	ccaagacctt	120
cgccaacagc	tcctacctgg	cccagcacat	ccgtatacac	tcaggggcta	agccctacag	180
ttgtaacttc	tgtgagaaat	ccttccgcca	gctctcccac	cttcagcagc	acaccogaat	240
ccacactggt	gatagaccat	acaaatgtgc	acacccaggc	tgtgagaaag	ccttcacaca	300
actctccaat	ctgcagtccc	acagacggca	acacaacaaa	gataaacctt	tcaagtgcc	360
caactgtcat	cgggcgtaga	cggatgcagc	ctcactagag	gtgcacctgt	ctacgcacac	420
a						421

&lt;210&gt; 625

&lt;211&gt; 421

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 625

agaattcggc	acgagctact	ccttgcgcgc	tggcactccg	cagccttta	ggttcgcgcg	60
ggggccaggc	aagagttagc	catgaagagc	ctcaagtccc	gcctgaggag	gcaggacgtg	120
cccggccccg	cgctcgtctg	cgccgcgcgc	gccagcgcgc	atgcagcaga	ttggaataaa	180
tatgatgacc	gattgatgaa	agcagcagaa	aggggggatg	tagaaaaagt	gacgtcaatc	240
cttgctaaaa	aggggggtcaa	tccaggcaaa	ctagatgtgg	aaggcagatc	tgtcttccat	300
gttgtgacct	caaaggggaa	tcttgagtgt	ttgaatgcc	tccttataca	tggagttgat	360
attacaacca	gtgacactgc	agggagaaat	gctcttcacc	tggctgctaa	gtatggacat	420
g						421

&lt;210&gt; 626

&lt;211&gt; 476

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 626

agaattgatc	tatagattta	atgcaatgcc	tactaaaatc	ccagtacgat	tttttacagg	60
catagacaat	agacatagcc	aaaacttatt	ctaaaataca	tatgaagatg	cacaggccct	120
agttatacaa	tcttgacaaa	gaagaataaa	gtgggaagaa	tctatttgat	tttaaggctt	180
accatgtaac	tacagtcatc	aagagagtgt	ggtatcggca	gacggtcaga	catacagatc	240
aatggaatgt	aacagaggac	ccagaaatag	gccacacag	atatgctcaa	tggatatttg	300
acaagcgtgc	aaaacaattc	aatggaagaa	taagctttca	aaaaaatggc	gttggagcaa	360
ccggacatcc	ataggaaaaa	atgaacccat	acctaaacca	taaacccttat	ataaaaaataa	420
acacaaaatg	aatcataggc	ttaaatgtaa	gctataaaac	ttttagagaa	aaacac	476

&lt;210&gt; 627

&lt;211&gt; 503

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 627

tagccctcgg	tgaagcccca	gaccacagct	atgagtcctt	tcgtgtgacg	tctgcgcaga	60
aacatgttct	gcatgtccag	ctcaaccggc	ccaacaagag	gaatgccatg	aacaaggtct	120
tctggagaga	gatggtagag	tgcttcaaca	agatttcogag	agacgctgac	tgtcgggchg	180
tggatgatctc	tggatgcagga	aaaatgttca	ctgcaggat	tgacctgatg	gacatggctt	240
cggacatcct	gcagcccaaa	ggagatgatg	tggcccgat	cagctggtag	ctccgtgaca	300
tcatcactcg	ataccaggag	accttcaacg	tcatcgagag	gtgccccaa	cccgtgattg	360
ctgccgtcca	tgggggctgc	attggcggag	gtgtggacct	tgtcaccgcc	tgtgacatcc	420
ggtagctgtgc	ccaggatgct	ttcttccagg	tgaaggaggt	ggacgtgggt	ttggctgccc	480
atgtaggaaac	actgcagcgc	ctg				503

<210> 628  
 <211> 248  
 <212> DNA  
 <213> Homo sapien

<400> 628  
 taagtccagg gggaataact gtaggcattc ctggaatcac tgtcttctgt tccattgtgt 60  
 cttggttcca gcggtcctc ttccgcttct tacttgggaa gtccaacggc gtggcggtcg 120  
 ctccggtcgc catggcgccc ccggggacag gcaccggcac ctgcttttcc tctgcggcgg 180  
 cttctccttc gcaagcctcc cggggggagg ggacccgaat gcgctgccgg agcgcgcgga 240  
 gcccgctc 248

<210> 629  
 <211> 99  
 <212> DNA  
 <213> Homo sapien

<400> 629  
 actgccagtc caaaggcatc gtggtgaccg cctacagccc cctcggctct cctgacaggc 60  
 cctggggcaa gcccgaggac ccttctctcc tggaggatc 99

<210> 630  
 <211> 640  
 <212> DNA  
 <213> Homo sapien

<400> 630  
 gaagacatga tgctacactc agctttgggt ctctgcctct tactcgtcac agtttcttcc 60  
 aaccttgcca ttgcaataaa aaaggaaaag aggcctcctc agacactctc aagaggatgg 120  
 ggagatgaca tcaattgggt acaaacttat gaagaaggtc tcttttatgc tcaaaaaagt 180  
 aagaagccat taatggttat tcatcacctg gaggattgtc aatactctca agcactaaag 240  
 aaagtatttg cccaaaatga agaaatacaa gaaatggctc agaataagtt catcatgcta 300  
 aaccttatgc atgaaaccac tgataagaat ttatcacctg atgggcaata tgtgcctaga 360  
 atcatgtttg tagacccttc tttaacagtt agagctgaca tagctggaag atactctaac 420  
 agattgtaca catatgagcc tcgggattta cccctattga tagaaaacat gaagaaagca 480  
 ttaagactta ttcagtcaga gctataagag atgatggaaa aaagccttca cttcaaagaa 540  
 gtcaaatttc atgaagaaa cctctggcac attgacaaat actaaatgtg caagtatata 600  
 gattttgtaa tattactatt tagttttttt aatgtgtttg 640

<210> 631  
 <211> 168  
 <212> PRT  
 <213> Homo sapien

<400> 631  
 Glu Asp Met Met Leu His Ser Ala Leu Gly Leu Cys Leu Leu Leu Val  
 1 5 10 15  
 Thr Val Ser Ser Asn Leu Ala Ile Ala Ile Lys Lys Glu Lys Arg Pro  
 20 25 30  
 Pro Gln Thr Leu Ser Arg Gly Trp Gly Asp Asp Ile Thr Trp Val Gln  
 35 40 45  
 Thr Tyr Glu Glu Gly Leu Phe Tyr Ala Gln Lys Ser Lys Lys Pro Leu  
 50 55 60  
 Met Val Ile His His Leu Glu Asp Cys Gln Tyr Ser Gln Ala Leu Lys



<211> 386  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(386)  
 <223> n = A,T,C or G

<400> 634

tgcaggtcga	cactagtgga	tccaaanaat	tcggcacgag	gctggcaaga	agagacgagg	60
cccggctgtg	gagcaactga	accgggtgac	tgtcccaagc	tggactccct	ggtggcccag	120
cagctgcaga	gcaagaatga	gtgtggaatc	cttgccgacc	ccaaggggcc	cttccgggag	180
tgccatagca	agctggaccc	ccagggtgcc	gtgcgcgact	gtgtctatga	ccgctgcctg	240
ctgccaggcc	agtctgggcc	actgtgtgac	gcactggcca	cctatgctgc	tgcattgccag	300
gctgctggag	ccacagtgcg	cccctggagg	agtgaagaac	tttgcccact	tganctgcca	360
ccncacannc	ctatnaggcg	tgttct				386

<210> 635  
 <211> 404  
 <212> DNA  
 <213> Homo sapien

<400> 635

gccaccactt	cgtagtgttt	tggaaacaaac	caagttaaag	aaagaagata	tttatgcagt	60
ggagatagtt	ggtggtgcta	cacgaatccc	tgcggtaaaa	gagaagatca	gcaaattttt	120
cggtaaagaa	cttagtacia	cattaaatgc	tgatgaagct	gtcactcgag	gctgtgcatt	180
gcagtgtgcc	atcttatcgc	ctgctttcaa	agtcagagaa	ttttctatca	ctgatgtagt	240
accatatcca	atatctctga	gatggaattc	tccagctgaa	gaaggggtcaa	gtgactgtga	300
agtcttttcc	aaaaatcatg	ctgctccttt	ctctaaagtt	cttacatttt	atagaaagga	360
acctttcact	cttgaggcct	actacagctc	tcctcaggat	ttgc		404

<210> 636  
 <211> 403  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(403)  
 <223> n = A,T,C or G

<400> 636

gctcactggt	ccccagtgcc	ctgctggagc	aagcctatgc	tgtgcagatg	gacttcaacc	60
tgctagtgga	tgctgtcagc	cagaacgctg	ccttcctgga	gcaaactctt	tccagcacca	120
tcaaacagga	tgactttacc	gctcgtctct	ttgacatcca	caagcaagtc	ctaaaagagg	180
gcattgcccc	gactgtgttc	ctgggcctga	atcgctcaga	ctacatgttc	cagcgcagcg	240
cagatggctc	cccagccctg	aaacagatcg	aaatcaaac	catctctgcc	agctttgggg	300
gcctggcctc	ccggacccca	nctgtgcacc	gacatgttct	cagtgtcctg	agtaagacca	360
aagaagctgg	caagatcctc	tctaataatc	ccagcaaggg	act		403

<210> 637  
 <211> 441  
 <212> DNA

<223> n = A, T, C or G

aggtcgacac	tagtggatcc	aaanaattcg	gcacgaggag	agagacccta	aaagcaaaaa	60
tataagggat	gacccaaagt	ctgagaggtc	tggaattaga	tgttgttact	ataaggtcag	120
aaaaagaaaa	tctgacaaat	gaattacaaa	aagagcaaga	gcgaatatct	gaattagaaa	180
taataaattc	atcatttgaa	aatattttgc	aagaaaaaga	gcaagagaaa	gtacagatga	240
aagaaaaatc	aagcactgcc	atggagatgc	ttcaaacaca	attaaaagag	ctcaatgaga	300
gagtggcagc	cctgcataat	gaccaagaag	cctgtaaggc	caaagagcag	aatcttagta	360
gtcaagtaga	gtgtcttgaa	cttgagaagg	ctcagttgct	acaaggcctt	gatgaggcca	420
aaaataatta	tattgtttgc	a				441

<213> Homo sapien

$\langle 223 \rangle$  n = A, T, C or G

gcgctgccgc	cgattccgga	tctcattgcc	acgcgcccc	gacgaccgcc	cgacgtgcat	60
tcccgattcc	ttttggttcc	aagtccaata	tggcaactct	aaaggatcag	ctgattttata	120
atcttctaaa	ggaagaacag	accccccaga	ataagattac	agttgttgagg	gttggtgctg	180
ttggcatggc	ctgtgccatc	agtatcttaa	tgaaggactt	ggcagatgaa	cttgctcttg	240
ttgatgtcat	cgaagacaaa	ttgaagggag	agatgatgga	tctccaacat	ggcagccttt	300
tcttagaaca	ccaaagattg	tctntggcaa	agactataat	gtaactgcaa	ctncagctgg	360
cattatcacg	ntggggacgt	cagaagaagg	agaaagccgc	ttat		404

<213> Homo sapien

$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

gcacgtaccg	agcacttcgg	ctcctcgcgc	gctcgcgtcc	cctcgtgcgg	gctccagccg	60
cagccttagc	ttcggctccc	ggcttgggtg	gcgcggccgt	gccctcgttt	tggcctccga	120
acgcggctcg	aatggcaagc	caaaattcct	tccggataga	atatgatacc	tttgggtgaac	180
taaaggtgcc	aaatgataag	tattatggcg	cccagaccgt	gagatctacg	atgaacttta	240
agattggagg	tgtgacagaa	cgcattgccaa	ccccagttat	taaagctttt	ggcatcttga	300
aacgagcggc	cgctgaagta	aaccaggatt	atggtcttga	tccaaaaatt	gctaatagcaa	360
taatgaangc	agcanatgaa	gnanctgaag	gtaaataaaa	tgat		404





<211> 403  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(403)  
 <223> n = A,T,C or G

<400> 643  
 gtgacctgat gagacagtta attatggcca atccacaaat gcagcagttg atacagagaa 60  
 atccagaaat tagtcatatg ttgaataatc cagatataat gagacaaacg ttggaacttg 120  
 ccaggaatcc acaatgatgc agganaagat gaagaaccaa gacccaactt tnancaacct 180  
 aaaaannntt ccnagggggn ttnanngttt nanggncttt ntccccaant ttnagganc 240  
 cattgttnat ngntgnncaa aannagttnng gnggaaatcc ttttgtttcc ttggggganca 300  
 atacatcctt tggngaaggt agtcaacctt cccgtncana aattagaaat cccctnccca 360  
 atccntgggn tccacaaact tcccaaagtt antnagtttc cac 403

<210> 644  
 <211> 403  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(403)  
 <223> n = A,T,C or G

<400> 644  
 ggggatgaca gccctaacaa gaactgtttt tgaatcgttg tgcagctcca ggcaatagag 60  
 tatgtgaagc gatttcagta gaatcactta ctcatcctaa aagaaaacat tattccnant 120  
 accntccttn nnattnccnt nttntaannn aaacntanng ntnnntgnnt gttnannngn 180  
 atnancctta aanntgcant ntnntttant cctccaaatn tttttcggtt tcntntgaga 240  
 ancaccanaa nctttctttc ccttntcttc agtanttgca anagganacc tccttnnagg 300  
 actggcntag ngaacgtaat ccatgcttta actgccatta aacagcccca tggttggatt 360  
 tttttttttt ttngagtngg ctttccaaaa ccttgtcaaa aac 403

<210> 645  
 <211> 405  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(405)  
 <223> n = A,T,C or G

<400> 645  
 gcgccttcca ggccgcactc cagagccaaa agagctccat ggcgggcggcg gccaaagccca 60  
 acaacctttc cctggtggtg cacggaccgg gggacttgcg cctggagaac tatcctatcc 120  
 ctgaaccagg cccaaatgag gtcttgctga ggatgcattc tgttggaatc ttgtggctta 180  
 aatgtcacta ctgggagtat gggcnaattg ggaattttat tngaaaaaac ccatgggggtt 240  
 ggacatgaag ttcggacagt cnaaaaagtg ggatcatcgg naaagaccta aaaccagggtg 300  
 atcggttgca tcacctgggc tcccgaaaaa tgataattnt gaagatggcc atacatntgt 360

405

```
<220>  
<221> misc_feature  
<222> (1)...(412)  
<223> n = A,T,C or G
```

```
<210> 647
<211> 412
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G
```

```
<210> 648
<211> 413
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G
```

<400> 648						
ggtcgccccg	cgccccagcc	cggccgcggc	gctccccgcc	tccccgctag	cgcagccccg	60
cggctctgcc	cggctgccgc	cggcatgaa	catcatggat	ttcaacgtga	agaaacttgg	120
cgggcccgacc	gggcaccttt	tcttaagccg	gcccgtgnaa	tttanaaaaa	aaaaacttgg	180

ncaagcaaaa aaaaanaaaa ttggncctta ncttgaaaan cttcttaaca aaacttaatg 240  
gtccaaaata ttgaccgaaa aaaaaatgna ncaaaccnna ntgnttttgc acccaatncn 300  
aatnccnnga nnaaaaaaat tgnttattaa aaacntgaat aaaaancccc aannctatna 360  
acaacccccga acttttttggga cnatntntna ntgatnnnng aacntaattt ggc 413

<210> 649  
<211> 409  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(409)  
<223> n = A,T,C or G

<400> 649  
actagtggat ccaaagantt cggcacgagg gcanggtgtn cgggcgggaa ggggcacggg 60  
cacccccgcg gtccctcgga ggctagagat catggaaggg aagtgggtgc tgtgtatgtt 120  
actggtgctt ggaactgcta ttgttgaggc tcatgatgga catgatgatg atgtgattga 180  
tattgaggat gaccttgacg atgtcattga agaggtagaa gactcaaac cagataccac 240  
tgctcctcct tcatctocca aggttactta caaagctcca nttccaacag ggggaagtata 300  
ttttgctgat tcttttgaca gaggaactct gtcagggtgg attttatnca nagccaanaa 360  
agacnatccn atgatgaaaa ttgccnaata tnatggaaaa gtgggaggt 409

<210> 650  
<211> 413  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(413)  
<223> n = A,T,C or G

<400> 650  
ggcctgagga ccggcaacat ggtgcggtcg ggggaataagg cagctgttgt gctgtgtatg 60  
gacgtgggct ttaccatgag taactccatt cctggtatag aatccccatt tgaacaagca 120  
aagaagggtga taaccatggt tgtacagcga cagggtgttg ctgagaacaa ggatgagatt 180  
gcttttagtcc tgtttggtac agatggcact gacaatcccc tttctggtgg ggatcagtat 240  
cagaacatca cagtgcacag acatctgatg ctaccagatt ttgatttgct ggaggacatt 300  
gaaagcaaaa tccaaccagg ttctcaacag gctgaacttc tggatgcact aatcgtgagc 360  
atggatgtga ttcacatgaa acaataggaa agaagtttga gaanaagcat att 413

<210> 651  
<211> 441  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(441)  
<223> n = A,T,C or G

<400> 651

0964931.03300

ctagtggatc	caaaganttc	ggcacgaggc	aaccagtgc	actgcagggg	gaaatgctct	60
tcacctggct	gctaagtatg	gacatgcatt	gtgcctacaa	aaacttctac	agtacaattg	120
tcccactgag	catgcagacc	tgcaggggag	aactgcactt	cacgatgccg	caatggcaga	180
ttgtccttct	agcatacagc	tgctttgtga	ccatggggcc	tctgtgaatg	ccaaagatgt	240
agacggggcg	acaccacttg	ttctggctac	tcagatgagt	aggccaacaa	tgtgtcaact	300
gctgatagat	agaggagcgg	atgttaattc	cagagacaaa	caaaacagaa	ctgccctcat	360
gctaggttgc	gaatatggtt	gcagagatgc	agtagaagtc	ttaattaaaa	atgggtgctg	420
atataagctt	gctggatgcg	c				441

&lt;210&gt; 652

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 652

gcttctctct	cctgtgcaaa	atggcaactc	ttaaggaaaa	actcattgca	ccagttgcgg	60
aagaagaggc	aacagttcca	aacaataaga	tcactgtagt	gggtgttgga	caagttggta	120
tggcgtgtgc	tatcagcatt	ctgggaaaagt	ctctggctga	tgaacttgct	cttgtggatg	180
ttttggaaga	taagcttaaa	ggagaaaatga	tggatctgca	gcatgggagc	ttatttcttc	240
agacacctaa	aattgtggca	gataaagatt	attctgtgac	cgccaattct	aagattgtag	300
tggtaaactgc	aggagtcccg	tcagcaagaa	ggggagagtc	ggctcaatct	ggtgcagaga	360
aatggtaatg	tcttcaaatt	cattattcct	cagatccgca	agtacagtcc	tg	412

&lt;210&gt; 653

&lt;211&gt; 414

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 653

gccagttcaa	gtccaccctg	ccggacgccg	atagggagcg	cgaggccatc	ctggccatcc	60
acaaggaggc	ccagaggatc	gctgagagca	accacatcaa	gctgtcgggc	agcaaccctt	120
acaccaccgt	caccccgcaa	atcatcaact	ccaagtggga	gaagggtgag	cagctggtgc	180
caaaacggga	ccatgccctc	ctggaggagc	agagcaagca	gcagtccaac	gagcacctgc	240
gccgccagtt	cgccagccag	gccaatgttg	tggggccctg	gatccagacc	aagatggagg	300
agatcggggc	catctccatt	gagatgaacg	ggaccctgga	ggaccagctg	agccacctga	360
agcagtatga	acgcagcatc	gtggactaca	aagcccaacc	tggaccttgt	tgga	414

&lt;210&gt; 654

&lt;211&gt; 404

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 654

gcatggcgga	gctgacggtg	gaggttcgcg	gctccaacgg	ggctttctac	aagggattta	60
tcaaagatgt	ccacgaagac	tccctcacag	ttgtttttga	aaataattgg	caaccagaac	120
gccaggttcc	gtttaatgaa	gtgcgattac	caccaccacc	tgatataaaa	aaagaaatta	180
gtgaaggaga	tgaagtagag	gtatatcaa	gagcaaatga	ccaagagcca	tgtggatggt	240
ggctggctaa	agttcggatg	atgaaaaggcg	agttttatgt	cattgaatat	gctgcttggt	300
atgccactta	caatgaaata	gtcacatttg	aacgacttcg	gcctgtcaat	caaaaataaaa	360
ctgtcaaaaa	aaataccttc	tttaagtgc	cagtggatgt	tcct		404

&lt;210&gt; 655

&lt;211&gt; 402

&lt;212&gt; DNA

<400> 655

<210> 656

<211> 416

<212> DNA

<213> Homo sapien

<400> 656

<210> 657

 $\langle 211 \rangle$  402

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

 $\langle 222 \rangle \quad (1) \dots (402)$ 

$\langle 223 \rangle$  n = A, T, C or G

<400> 657

<210> 658

<211> 404

<212> DNA

<213> Homo sapien

<400> 658

gcaagacgcc	acttccccta	tcatagaaga	gcttatcacc	tttcatgac	acgccctcat	60
aatcattttc	cttatctgct	tcctagtcct	gtatgccctt	ttcctaacac	tcacaacaaa	120
actaactaat	actaacatct	cagacgctca	ggaaatagaa	accgttgaac	tatcctgccc	180
gccatcatcc	tagtcctcat	cgccctccca	tccctacgca	tcctttacat	aacagacgag	240

gtcaacgata	cctcccttac	catcaaatca	attggccacc	aatgggtactg	aacctacgag	300
tacaccgact	acggcgact	aatcttcaac	tcctacatac	ttccccatt	attcctagaa	360
ccaaggcgga	cctgcgactc	cttgacgttg	acaatcgagt	agta		404

&lt;210&gt; 659

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 659

ggcacgaggg	tcgccgttac	tccgaggaga	taccagtcgg	tagaggagaa	gtcgagggtta	60
gagggaaactg	ggaggcactt	tgctgtctgc	aatcgaagtt	gaggggtgcaa	aaatgcagag	120
taataaaaact	tttaacttgg	agaagcaaaa	ccatctccaa	gaaaagcatc	atcaacatca	180
ccaccagcag	cagcaccacc	agcagcaaca	gcagcagccg	ccaccaccgc	caatacctgc	240
aaatgggcaa	caggccagca	gccaaaatga	aggcttgact	attgacctga	agaattttag	300
aaaaccagga	gagaagacct	tcacccaacg	aagccgtctt	tttgtgggaa	atcttcctcc	360
cgacatcact	gaggaagaaa	tgaggaaaact	atcttgagaaa	tatggaaaagg	c	411

&lt;210&gt; 660

&lt;211&gt; 412

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 660

ggcacgaggg	ggatttgggt	cgagtttctt	gtttgtggat	cgctgtgatc	gtcacttaac	60
aatgcagatc	ttcgtgaaga	ctctgactgg	taagaccatc	accctcgagg	ttgagcccag	120
tgacaccatc	gagaatgtca	aggcaaagat	ccaagataag	gaaggcatcc	ctcctgacca	180
gcagaggctg	atctttgctg	gaaaacagct	ggaagatggg	cgcacctgt	ctgactacaa	240
catccagaaa	gagtcaccc	tgacactggt	gctccgtctc	agaggtggga	tgcaaactct	300
cgtagaagaca	ctcactggca	agaccatcac	ccttgagggtc	gagcccagtg	acaccatcga	360
gaacgtcaaaa	gcaaagatcc	aggacaagga	aggcattcct	cctgaccagc	ag	412

&lt;210&gt; 661

&lt;211&gt; 411

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 661

ggcacgaggg	gagatcgatg	atcttgccag	taatgtagag	acagtgtcta	aggccaaggg	60
aaacctcgag	aagatgtgcc	gcaccctgga	ggaccaggtg	agtgagctga	agtcaaagga	120
ggaggaacag	cagcgactga	tcaacgacct	gacaacccag	agaggacgac	tgacagaccga	180
atccggtgaa	ttttccaggc	agcttgatga	gaaggaagcg	ctggtatctc	agttatcaag	240
gggcaaacag	gcattcactc	aacagattga	ggagctaaag	aggcaacttg	aagaggaagt	300
aaaggccaag	aacgcgctgg	cccacgccct	gcagtcctcc	cgccatgact	gtgacctgct	360
gcgggaacag	tacgaggagg	agcaggagtc	taaggctgaa	ctgcagaggg	c	411

&lt;210&gt; 662

&lt;211&gt; 414

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 662

ggcacgaggg	tcacaggacc	agccactagc	gcagcctcga	gcgatggcct	atgtccccgc	60
accgggctac	cagcccacct	acaacccgac	gctgccttac	taccagccca	tcccgggcgg	120

```
<210> 663
<211> 414
<212> DNA
<213> Homo sapien
```

<400>	663						
gtcc	ttcctcctcg	gtcgcgtct	cactcagtg	accttctagt	cccgccatgg		60
tcac	ccgggacccc	cagttccaga	agctgcagca	atggtagccg	gagcaccgct		120
tgaa	cctgcgcggn	ctcttcgatg	ccaacaagga	ccgcttnaac	cacttcagct		180
tcaa	caccaaccat	gggcataatc	tgnggatta	ctccaagaac	ctggtgacgg		240
tgat	gcggatgctg	gtggacttgg	ccaagtccag	gggcgtggag	gccgaccggg		300
tggt	caatggtgan	aagatcaact	acaccgang	gtcgagccgt	gtgcacgtg		360
gcga	accggttcaa	acacacccat	nctgggagac	ggcaangatg	tgat		414

```
<210> 664
<211> 411
<212> DNA
<213> Homo sapien
```

```
<210> 665
<211> 409
<212> DNA
<213> Homo sapien
```

<210> 666





```
<210> 670
<211> 411
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G
```

```
<210> 671
<211> 411
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(411)
<223> n = A,T,C or G
```

```
<210> 672
<211> 409
<212> DNA
<213> Homo sapien
```

<400> 672						
ggcacgaggc	ccactccacc	ttactaccag	acaaccttag	ccaaccatt	tacccaaata	60
aagtataggc	gatagaaatt	gaaacctggc	gcaatagata	tagtaccgca	agggaaagat	120
gaaaaattat	aaccaagcat	aatatagcaa	ggactaacc	ctataccttc	tgcataatga	180
attaactaga	aataactttg	caaggagagc	caaagctaag	acccccgaaa	ccagacgagc	240

```
<210> 673
<211> 412
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(412)  
<223> n = A,T,C or G
```

```
<210> 674
<211> 413
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(413)
<223> n = A,T,C or G
```

```
<210> 675
<211> 411
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(411)  
<223> n = A,T,C or G
```

<400> 675  
ggcacgaggt attgttgctc cagacacagt gatccactgt gagggggagc caatcaagcg 60

```
<210> 676
<211> 413
<212> DNA
<213> Homo sapien
```

<400>	676						
gaggc	gggagcggcg	caggcggccg	agcgggactg	gctgggtcgg	ctgggntgct		60
gagga	gccgcggggc	tgtgctcggc	ggccaagggg	acagcgcgtg	ggtggccgag		120
cgcgg	ggcggtagct	cngcgcctcc	tccttggtga	ctgcttgccg	cgngcctcac		180
cgaag	gcgggctcgg	cgcacagtcn	gctgctccgc	gctcgcgcc	ggcggcgctc		240
gctga	cagcgcgaga	gagcgcnggn	cctcaggagc	aaggcgaatg	tatgacaaca		300
acaat	ggtgtacata	aaggaagaca	agttggagaa	gcttacacan	gatgaaatta		360
caaga	caaaagcnag	taaattcang	gggcctggga	aagctttgaa	gaa		413

<400>	677						
gaggg	ccaagtcagc	ttcttctgag	agagtctcta	gaagacatga	tgtacactc		60
gggt	ctctgcctct	tactcgtcac	agtttcttcc	aaccttgcca	ttgcaataaa		120
aaaag	aggcctcctc	agacactctc	aagaggatgg	gggagatgac	atcacttggg		180
actta	tgaagaaggt	ctcttttatg	ctcaaaaaag	taagaagcca	ttaatggtta		240
cacct	ggaggattgt	caatactctc	aagcactaaa	gaaagtattt	gccccaaatg		300
ataca	agaaatggct	cagaataagt	tcatcatgct	aaaccttatg	catgaaacca		360
aagaa	tttatcacct	gatgggcaat	atgtgcctag	aatcatgttt			410

<400>	678						
gagga	attaatgaag	tctttaatga	acttatatta	gatgtgttaa	agcagggtta		60
gaaa	aagggccaca	gacgaaaaa	ctggactgaa	agatggtttg	tactaaaacc		120
caatt	tcttactatg	tgagtgagga	tctgaaagga	taagaaagga	gacattctct		180
gaaaa	ttgctgtgta	gagtccttgc	ctgacaaaaga	tggaaagaaa	tgcccttttct		240
aaatg	ttttgataag	acttttgaaa	tcagtgtctc	agataagaag	aagaaacagg		300
attca	agccattcat	tctactattc	atctgttgaa	gctgggcagc	cctccaccac		360
gaagc	ccgccagcgt	cggaaaagaac	tccggaagaa	gcagctggct			410

<210> 679  
 <211> 410  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(410)  
 <223> n = A,T,C or G

<400> 679

ggcacgaggg	agagagaata	gttcgagttt	tttttttttt	ttattgcaag	catatttctt	60
ttaatgactc	cagtaaaatt	aagcatcaag	taaacaagt	gaaagtgacc	tacactttta	120
acttgctca	ctagtgccta	aatgtagtaa	aggctgctta	agttttgtat	gtagttggat	180
tttttggagt	ccgaaggat	ccatctgcag	aaattgatgc	ccaaattgaa	tttggattca	240
agtggattct	aaatactttg	cttatcttga	agagagaagc	ttcataagga	ataaacaagt	300
tgaatagaga	aaacactgat	tgataaatagg	catttttagtg	ggctttttta	tgntttctgc	360
tgtgaaacat	ttcaagattt	attgattttt	tttttttact	ttccccatca		410

<210> 680  
 <211> 410  
 <212> DNA  
 <213> Homo sapien

<400> 680

ggcacgaggg	aattctggaa	acaatgggaa	caatggaaaa	gagagagagg	actcctggaa	60
aggagcttct	gttcagaaat	caactgggtc	aaaaaatgac	tcttgggaca	acaataacag	120
gtctacgggt	gggtcctgga	actttggccc	ccaggactct	aatgacaaca	aatgggggtga	180
agggaaacaaa	atgacatctg	gggtctctca	gggagaatgg	aaacagccga	ctgggtctga	240
tgagttgaaa	attggagaat	ggagtgggtcc	aaaccaacca	aattctagca	ctgggagcatg	300
ggacaatcaa	aagggccacc	ccctccctga	aaaccaaggc	aatgcccagg	ctccctgttg	360
gggaagatct	tccagctcca	caggaagtga	agttggagggt	caaagcactg		410

<210> 681  
 <211> 402  
 <212> DNA  
 <213> Homo sapien

<400> 681

gccggagcct	accctgccac	tggcccttat	ggcgcccttg	ctgggccact	gattgtgcct	60
tataacctgc	ctttgcctgg	gggagtgggtg	cctcgcatgc	tgataacaat	tctgggcacg	120
gtgaagccca	atgcaaacag	aattgcttta	gatttccaaa	gagggaatga	tgttgccttc	180
cactttaacc	cacgcttcaa	tgagaacaac	aggagagtca	ttgtttgcaa	tacaaagctg	240
gataataact	ggggaaggga	agaaagacag	tcggttttcc	catttgaaag	tgggaaacca	300
ttcaaaatac	atgtactggg	tgaacctgac	cacttcaagg	ttgcagtga	tgatgtctac	360
ttgttgcagt	acaatcatcg	ggttaaaaaa	ctcaatgaaa	tc		402

<210> 682  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<400> 682

gggcgagcgg	agtttagcagg	gctttactgc	agagcgcgcc	gggcactcca	gcgaccgtgg	60
------------	-------------	------------	------------	------------	------------	----

```
<210> 683
<211> 3255
<212> DNA
<213> Homo sapien
```

<400> 683						
accgttgcg	ccgcaggggt	ctgggcaggg	ctgggcagtg	ctgccggagc	aaaagcggt	60
gcgggagccc	ggccggagct	gggtctggag	acgccgtggc	agcctgaacg	gagtgtgcga	120
cggattggga	ggtttgtcta	cagattttga	gcgttcgaag	ttgacccttg	actaagtata	180
ctttgctgct	ccctcagcct	ttgaaaaaat	gtctgtcaca	tatgatgatt	ccgttggagt	240
agaagtgtcc	agcgacagct	tctgggaggt	cgggaactac	aagcggactg	tgaagcggat	300
cgacgatggc	caccgcctgt	gcagcgacct	catgaactgc	ctgcatgagc	gggcgcgc	360
cgagaaggcg	tatgcgagc	agctcactga	gtgggcccgg	cgctggaggc	agcttgtgga	420
gaaagggccc	cagtacggga	ccgtggagaa	ggcctggatg	gccttcatgt	ccgaggcaga	480
gagggtgagc	gagctgcacc	tcgaggtgaa	ggcctcactg	atgaacgatg	acttcgagaa	540
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305					310					315					320
Ser	Ser	Pro	Ile	Ile	Ile	Gln	Leu	Leu	Ser	Asp	Arg	Cys	Leu	Gln	Val
				325					330					335	
Leu	Asn	Arg	His	Leu	Thr	Val	Leu	Arg	Val	Val	Gln	Leu	Gln	Pro	Leu
			340					345					350		
Gln	Gln	Val	Asn	Leu	Ile	Leu	Ser	Asn	Asn	Arg	Gly	Cys	Arg	Thr	Leu
		355					360					365			
Leu	Leu	Lys	Ile	Pro	Lys	Glu	Tyr	Asp	Leu	Val	Leu	Leu	Phe	Ser	Ser
	370					375					380				
Glu	Glu	Glu	Arg	Gly	Ala	Phe	Val	Gln	Gln	Leu	Trp	Asp	Phe	Cys	Val
385					390					395					400
Arg	Trp	Ala	Leu	Gly	Leu	His	Val	Ala	Glu	Met	Ser	Glu	Lys	Glu	Leu
				405					410					415	
Phe	Arg	Lys	Ala	Val	Thr	Lys	Gln	Gln	Arg	Glu	Arg	Ile	Leu	Glu	Ile
			420					425					430		
Phe	Phe	Arg	His	Leu	Phe	Ala	Gln	Val	Leu	Asp	Ile	Asn	Gln	Ala	Asp
		435					440					445			
Ala	Gly	Thr	Leu	Pro	Leu	Asp	Ser	Ser	Gln	Lys	Val	Arg	Glu	Ala	Leu
	450					455					460				
Thr	Cys	Glu	Leu	Ser	Arg	Ala	Glu	Phe	Ala	Glu	Ser	Leu	Gly	Leu	Lys
465					470					475					480
Pro	Gln	Asp	Met	Phe	Val	Glu	Ser	Met	Phe	Ser	Leu	Ala	Asp	Lys	Asp

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	770						775						780							
Ala Val Asp Phe His Arg Trp Ile Ala Met Ala Ala Val Val Leu Ala 785							790						795						800	
Ile Leu His Ser Ala Gly His Ala Val Asn Val Tyr Ile Phe Ser Val 805							810						815							
Ser Pro Leu Ser Leu Leu Ala Cys Ile Phe Pro Asn Val Phe Val Asn 820							825						830							
Asp Gly Ser Lys Leu Pro Gln Lys Phe Tyr Trp Trp Phe Phe Gln Thr 835							840						845							
Val Pro Gly Met Thr Gly Val Leu Leu Leu Leu Val Leu Ala Ile Met 850							855						860							
Tyr Val Phe Ala Ser His His Phe Arg Arg Arg Ser Phe Arg Gly Phe 865							870						875						880	
Trp Leu Thr His His Leu Tyr Ile Leu Leu Tyr Ala Leu Leu Ile Ile 885							890						895							
His Gly Ser Tyr Ala Leu Ile Gln Leu Pro Thr Phe His Ile Tyr Phe 900							905						910							
Leu Val Pro Ala Ile Ile Tyr Gly Gly Asp Lys Leu Val Ser Leu Ser 915							920						925							
Arg Lys Lys Val Glu Ile Ser Val Val Lys Ala Glu Leu Leu Pro Ser 930							935						940							
Gly Val Thr Tyr Leu Gln Phe Gln Arg Pro Gln Gly Phe Glu Tyr Lys 945							950						955						960	
Ser Gly Gln Trp Val Arg Ile Ala Cys Leu Ala Leu Gly Thr Thr Glu 965							970						975							
Tyr His Pro Phe Thr Leu Thr Ser Ala Pro His Glu Asp Thr Leu Ser 980							985						990							
Leu His Ile Arg Ala Val Gly Pro Trp Thr Thr Arg Leu Arg Glu Ile 995							1000						1005							
Tyr Ser Ser Pro Lys Gly Asn Gly Cys Ala Gly Tyr Pro Lys Leu Tyr 1010							1015						1020							
Leu Asp Gly Pro Phe Gly Glu Gly His Gln Glu Trp His Lys Phe Glu 1025							1030						1035						1040	
Val Ser Val Leu Val Gly Gly Gly Ile Gly Val Thr Pro Phe Ala Ser 1045							1050						1055							
Ile Leu Lys Asp Leu Val Phe Lys Ser Ser Leu Gly Ser Gln Met Leu																				

```
<210> 693
<211> 277
<212> PRT
<213> Homo sapiens
```

Asn Gln Thr Ala Asp Asp Cys Leu Asn Gly Leu Ala Cys Asp Cys Lys  
                   100                  105                  110  
 Ser Asp Leu Gln Arg Pro Asn Pro Gln Ser Pro Phe Cys Val Ala Ser  
                   115                  120                  125  
 Ser Leu Lys Cys Pro Asp Ala Cys Asn Ala Gln His Lys Gln Cys Leu  
                   130                  135                  140  
 Ile Lys Lys Ser Gly Gly Ala Pro Glu Cys Ala Cys Val Pro Gly Tyr  
                   145                  150                  155                  160  
 Gln Glu Asp Ala Asn Gly Asn Cys Gln Lys Cys Ala Phe Gly Tyr Ser  
                   165                  170                  175  
 Gly Leu Asp Cys Lys Asp Lys Phe Gln Leu Ile Leu Thr Ile Val Gly  
                   180                  185                  190  
 Thr Ile Ala Gly Ile Val Ile Leu Ser Met Ile Ile Ala Leu Ile Val  
                   195                  200                  205  
 Thr Ala Arg Ser Asn Asn Lys Thr Lys His Ile Glu Glu Glu Asn Leu  
                   210                  215                  220  
 Ile Asp Glu Asp Phe Gln Asn Leu Lys Leu Arg Ser Thr Gly Phe Thr  
                   225                  230                  235                  240  
 Asn Leu Gly Ala Glu Gly Ser Val Phe Pro Lys Val Arg Ile Thr Ala  
                   245                  250                  255  
 Ser Arg Asp Ser Gln Met Gln Asn Pro Tyr Ser Arg His Ser Ser Met  
                   260                  265                  270  
 Pro Arg Pro Asp Tyr  
                   275

&lt;210&gt; 694

&lt;211&gt; 157

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 694

aaatataaat gatatgttga aaacttaagg aagcaaatgc tacatatatg caatataaaa 60  
 tagtaatgtg atgctgatgc tgttaaccaa agggcagaat aaataagcaa atgccaataa 120  
 ggggtcttaa ttgaaatgaa aatttaattt tgttttt 157

&lt;210&gt; 695

&lt;211&gt; 241

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 695

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```
<210> 696
<211> 188
<212> DNA
<213> Homo sapien
```

<400>	696						
gccc	atgatg	ncagagctgg	aagagaggnn	acgtcagcag	agggggccacc	tccatttgnt	60
gnagaca	aagc	atagatggga	ttctggctga	tgtgaagaac	ttggagaaca	ttagggacaa	120
cctgccccca	ggctgctaca	atacc	ccaggc	tcttgagcaa	cagtnaagct	gccataaata	180
tttctcaa							188

```
<210> 697
<211> 289
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(289)  
<223> n = A,T,C or G
```

<400>	697						
ctgcttg	gac	ttcaaagccc	tccgcctagc	catctcagcc	aggctcaggn	tccttctccc	60
acccatcag	g	ccaagcagga	cttgtnaaac	atacacattc	aagttcctag	cacacagtag	120
gtgctaagt	g	ggaattgatt	ataaaacttga	attcttccat	caacaaatat	ctacctctcc	180
tgtccagctt	g	ccctcagatc	ttcaggntct	ctcttctctg	aggcagctaa	gcttctacat	240
ccttcatgaa	g	gtttcccttta	cttctcgcaca	gaagacagtt	ccctttagg		289

```
<210> 698
<211> 193
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(193)  
<223> n = A,T,C or G
```

```

<400> 698
aaagtttggtg ctataaaatt gtgcaaatat gttaaggatt gagaccacc aatgcactac      60
tgtaatatatt cgcttcttaa atttcttcca cctacagata atagacaaca agtctgagaa      120
actaagggtta cgttaaactta gatataaatc ctaccaataa aatttttcag nttaaagttt      180
tacagttttga ttt                                     193

```

<210> 702

```
<220>
<221> misc_feature
<222> (1)...(255)
<223> n = A,T,C or G
```

```
<210> 703
<211> 224
<212> DNA
<213> Homo sapien
```

<400>	703						
cctgttttgg	gngctgctc	gaaagggttt	gccctgagac	tnnaagaaga	agctgcggga		60
aggacagcag	gggnccctgg	gttttagcnt	ctggcccagg	agttatgtgt	ccataaccaa		120
agggagacac	gtctgcacc	agctctcatc	ccatcgagac	tgctgcgact	cccgcaggn		180
cttcgggaac	tggttttagc	tgcccgagc	atcagaaaag	tttg			224

```
<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G
```

<210> 705  
<211> 107

<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(107)  
<223> n = A,T,C or G

<400> 705  
atcacccnat ttaattaaaa atccctggnc ttaggaccta cagcannnga ctgnagaact 60  
tnagaacctn aattagccat ttgccatctt nagagagtct tnnccat 107

<210> 706  
<211> 113  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(113)  
<223> n = A,T,C or G

<400> 706  
aaatagtttc taaaggcaag gncttgctat gttgcttagg ctggttttga aaagtccott 60  
ttgggggggat gctttcactg cttcacttcc tttctatgac agctnaggga atc 113

<210> 707  
<211> 283  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(283)  
<223> n = A,T,C or G

<400> 707  
ctgctccaag gccatcaaga tcttcatggg gaggacggag ctgaagntgg aagacaagca 60  
ccgtgtggtg atccagcgtg atgaggggtca ccacgtggcc tacaccacgc gggaggtggg 120  
ccagtanctg gnggnggagt ccagcacggg catcatcgnc atctggggaca agaggaccac 180  
cgtgttcac cagctggctc cctcctanaa gggcaccgtg ngnggcctgt gtgggnactt 240  
tgaccaccgc tccaacaacg acttcaccac gcgggnccac atg 283

<210> 708  
<211> 341  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(341)  
<223> n = A,T,C or G

<400> 708

```

ctgtccaatg acaacaggac cctcactcta ctcaagtgtca caaggaatga tgtaggaccc      60
tatgagtgtg gaatccagaa caaattaagt gttgaccaca gcgacccagt catcctgaat      120
gtcctctatg gccagacga ccccaccatt tccccctcat acacctatta ccgtccaggg      180
gngaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggtg      240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag      300
aacagcggac tctatacctg ccaggccaat aactcagcca g                                341

```

<210> 709

<211> 376

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(376)

<223> n = A,T,C or G

<400> 709

```

ccaagtccag gggcgtggag gccgcccggg agcggatggt caatggtgag aagatcaact      60
anaccgaggg tcgagccgtg ctgcacgtgg ctctgcggaa ccggtcaaan acacnnatcc      120
tggtagacgg caaggatgtg atgccagagg tcaanaagg tctgganaag atgaagtctt      180
tctgccagcg tgtccggagc ggngactgga aggggtanac aggcaagacc atcacggacg      240
tcatcaacat tggcattggc ggctccgacc tgggacccct catggngact gaagccctta      300
agtcatactc ttcaggaggn ccccgcgnc tggatgnctc caacattgat ggaactcaca      360
ttgccaaaac cctggc                                376

```

<210> 710

<211> 232

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(232)

<223> n = A,T,C or G

<400> 710

```

ctgctgtata ttcagcattg tgggaggagc tgtgaaagac anagaacagt anaggggtgtg      60
gnccctgccc tcgagaggnt tanagtctag gtggagaaac gggaancagg acacatgggg      120
agccgagaga aaanagtcca ggccagtatg ttacaggagc tggaagggtg ttggggtcag      180
acccaataac tccaagtaca ctaagcactt cagtgcctcc aggggctcaa cg                232

```

<210> 711

<211> 317

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(317)

<223> n = A,T,C or G

<400> 711

```

caggtaaaat agatttaatt taggaaagct cattttatat gagtttccaa ctaattatta      60

```



```
<210> 712
<211> 154
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(154)
<223> n = A,T,C or G
```

```
<400> 712
tntgtagaaa aaatanacaa agaacatttn tanatgtgaa aaaacagtaa acagngttaa      60
catccaagtt attagtctca attccacgtc tcctagttaa caccactntc aaccttgaga      120
tctgatttgn tcttgtcatt cttcactgaq taga                                154
```

```
<210> 713
<211> 177
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(177)
<223> n = A,T,C or G
```

```
<400> 713
ccattcagag gtagaagatg gaggggcggc agattctggc agggcagcag agggctctat    60
gcacgggttt caaacctgtt ttccacactc tgtctttgca gntttggtaa ttctgtggtc    120
tatttatana gatattaaaa tcttgtttat aaaaaaaaaa aaaaaaaaaa aaaaaaaa    177
```

```
<210> 714
<211> 216
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G
```

<400>	714						
ctgtgttttcg	gctataaaaa	ggcggctgaa	agaaggggaa	aattanttta	gacttaattg		60
gaagtttcat	atggcacaca	ttaccagnag	agaaaaagat	ataaacggca	ataaatatta		120
ggctcgattt	gagaaactct	ccccacctca	atgctttctt	ttcccttgct	atttaagggt		180
ctacttttqca	acccgtgtqn	gtgtttgtgt	gtgtgt				216

$\langle 210 \rangle$	715
$\langle 211 \rangle$	376

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(200)

<223> n = A,T,C or G

<400> 718

aaacatctca	catatanaaa	ataggtacaa	tttaattttt	ctgcttgccc	aagaaacaaa	60
gcttctgtgg	aaccatggaa	gaagatgaaa	atgagactgg	caaagaacaa	atgctgaatc	120
tgaagaagat	ttgggcaa	aatctgcata	cttttaattg	ggaataagat	ggaaaaatg	180
aatgctaaat	caaattttt					200

<210> 719

<211> 336

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(336)

<223> n = A,T,C or G

<400> 719

ctgtctcaca	ctttgcaagc	tgtgagagac	acatcagagc	cctgggcact	gtcactgctt	60
gcagcctgag	ngtaactccc	tccttttcta	tctgagctct	tcctcctcca	catcacggca	120
gcgaccacag	ctccagtgat	cacagctcca	aggagaacca	ggccagcaat	gatgcccacg	180
atggggatgg	tgggctggga	agacagctcc	catctcaggg	tgaggggctt	gggcagaccc	240
tcatgctgca	catggcaggn	gtatctctgc	tcctctccag	aaggcaccac	cacagccgcc	300
cacttctgga	aggntccatc	cccttgagag	ccttgg			336

<210> 720

<211> 167

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(167)

<223> n = A,T,C or G

<400> 720

ggagagtgtc	agtgaggcgg	ccaagaagta	natggaggag	aatgannagc	tcaagaaggg	60
agctgtgtgt	gacggaggca	agttggatgt	cgggaatgct	gaggtgaagt	tggaggaaga	120
gaacaggagc	ctgaaggctg	acctgcagaa	gctaaaggac	gagctgg		167

<210> 721

<211> 134

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(134)

<223> n = A,T,C or G

<400> 721  
 cctagtatga ggagcggttat ggagtgggaag tgaaatcana tggctaggcc ggaggncatt 60  
 aggagggctg agagggcccc tgtaggggt catgggctgg gntttacgtg cgtgaggagg 120  
 ggcggagctt gcag 134

<210> 722  
 <211> 353  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(353)  
 <223> n = A,T,C or G

<400> 722  
 aaaaatatat acaactatga tgttcaaata tgtattctga gccattatgt tcaaacataa 60  
 atatctggga aattcaaact gctgcaacaa gttaggaaag gattaaggaa aaatgatgag 120  
 ctacaaatta tgtagttgga ggaagaaaaa aatgttactt agcatttatg tctggatagg 180  
 tatgtatttt ctaatttaca tacacatatc cagntgagta tagacaacca tcaaaatgta 240  
 accagttaca cagagactag actaagccaa cactattttc tataacaggn aacagtagng 300  
 atttcaaaaa ttttaatatc tcaatagttt caccaaaaaat tatttatggg aat 353

<210> 723  
 <211> 268  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(268)  
 <223> n = A,T,C or G

<400> 723  
 ctgagaagag cgccaggaag ccctgggtgc gagagttgat gacgtcgatc tcgtgcaggg 60  
 acacgngtg caccacctcc ttgcgtttct ggagctcccc atctgggcac tgcacgaact 120  
 tggncctggga gcccatagcg tcgtagtcgc gggcgngtgt gaaggagcgg cccaacttgg 180  
 agatcttgcc cgtcgccttg tcgatggnga tcacgtcccc ggcctggacc ttgtccttgg 240  
 ncagggactc aatcatcttg ntgcccag 268

<210> 724  
 <211> 344  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(344)  
 <223> n = A,T,C or G

<400> 724  
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60  
 agncccatga aattaattat tttctctgct cgtcttgggt ggacagtttc atgaagctgt 120



```
<210> 728
<211> 109
<212> DNA
<213> Homo sapien
```

```
<210> 729
<211> 329
<212> DNA
<213> Homo sapien
```

<400> 729						
aaagcatag	g	actatag	tca	gcatgct	aga	60
aggtactg	at	gctgtcag	t	tttaacac	t	120
aatattag	ac	actagcta	gt	ctgtaact	c	180
taagtgc	att	gaatgtgg	ct	atttctct	aa	240
atgccng	ca	gatttatg	t	gctgctat	tt	300
aagngaga	g	caaacatt	tc	cttcttc	ag	329

```
<210> 730
<211> 238
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(238)
<223> n = A,T,C or G
```

<400>	730						
aaaaagtggc	agagtgactt	aactgatcat	gcatgatccc	tcatccctga	aattgagttt		60
atgtagnocat	tttacttatt	ttattcatta	gctaactttg	tctatgtata	tttctagata		120
ttgattagtg	taatcgatta	taaaaggatat	ttatcaaatic	cagggattgc	attttgaaat		180
tataaattatt	ttctttgctg	aagnattcat	tgtaaaacat	acaaaataaa	catatttt		238

```
<210> 731
<211> 297
<212> DNA
<213> Homo sapien
```

$\langle 220 \rangle$





<220>  
 <221> misc\_feature  
 <222> (1)...(198)  
 <223> n = A,T,C or G

<400> 737  
 ctgccgctgc acacgctcgt tcttctctgc ctccagtgatg cgcttctcct cattgcggnc 60  
 atcccggatg ccctcactag acagctccgc gctgtagccc gtgggctctg cgccctcatc 120  
 ctgcaagctc tcttgacat ggtagctcac cggctcgtac acgggggggtg gtggggggcgg 180  
 gggngctgtc atcaccag 198

<210> 738  
 <211> 228  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(228)  
 <223> n = A,T,C or G

<400> 738  
 gtgccatggc acacagcctg ggtgcacacc cagcgnccctc tcttgccaggt gcagggtattg 60  
 cagtccacct tgatcttggc gccggaagaa tanaggctcgt tggtatggac gcaagggcat 120  
 tcttctcca ccacgcagcc accccggccg tcatccatca gcccgctcggg gcacacacag 180  
 ccactgacac actctgtgtg gnaatagccg gcggccagcg nctggcag 228

<210> 739  
 <211> 378  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(378)  
 <223> n = A,T,C or G

<400> 739  
 aaaaaataca ggagtcgata gcagcagttg gtgacgagat ggcaactcaga aacggcggttg 60  
 acgtaattta ggacgtggaa tcataagcga aacagcacac tgtttgaata aagagcgagt 120  
 cggnatttat atttgntttt cttttgtcat gattatttga tttttaagnt gctccagcta 180  
 aggcattttt ttgtattagn atttctatta gggaaccttt cttattaggn ggnttgatt 240  
 gtctggnttc taacatgcag gtagctgttt ggcagttaaa cacgtttaga gtaatttgag 300  
 ttacaacgtg tgaaactgag caaaaaagca gngataagnt tgggttacca taccaaatat 360  
 ttgttttccc actggaaa 378

<210> 740  
 <211> 200  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(200)

<223> n = A,T,C or G

<400> 740

```
ccacttgagt ggntcctggc tgcttctgtg attgttaggt cttgagagat tatggacccg      60
aggcattctg ggtaccccat caattggctg atggncttct atttgggctg cgcttcttct      120
aaaaaggggg gctcaaagggt ctttttttcc cccactgcag agctaaaaaa gtccctgtac      180
gccatcttct cccagtttgg                                     200
```

<210> 741

<211> 273

<212> DNA

<213> Homo sapien

<400> 741

```
ctgcttggca tcgtaatggg ccggtggcat catgagcccc agaatcagcc ttgccaggtc      60
tccagagatc tcagacttca ggtcagtcac taagtcccgg ccaaagtgag acttgaagggt      120
ctgccggatc tgctgccgct ggacattgct gcggtgcgtg atgatatcga tgattgtgtc      180
ttcgtcagtc ccgagtcctt tcatggcttt ccgcagcgct ttggcatctg cgtcagggtt      240
gaagtcattg gctgggcgca caggtccctt cag                                     273
```

<210> 742

<211> 297

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(297)

<223> n = A,T,C or G

<400> 742

```
ctgcagttgc tcccttttagg gttataaaat aatgacccaa atgttacatg tgttgatatt      60
ataacttgct agttactgat gtctgtggna tcctaccctc atctctgaaa gggataatac      120
tgaataatta ttagaaaact ataaaacttc acactttgta ccattaaaac ctaaaatttt      180
aatcttgnc ttttttacta tggatcagtc ggcactcggg aacagcagca aggaaaagag      240
gcaaatttca ttcacatggt ctgngntcat acctcttctc tacctaattg ttcattt      297
```

<210> 743

<211> 381

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 743

```
ctgcacctcc acctccttga agttgaagat actattgcca tcaaagccag cagccagctc      60
tggaacagtat gcctgcaggg aacctccatg ccggctcagt gacacactct ctgcagccag      120
ggtaataaac ttgtcctcag ctacaaaagc tgtgagcttg gctgtgctca cctccagggt      180
taggttttagc agccgctttg ggggtaatgg ctcagggggca cggccttcta gctcagaagn      240
agntcctgaa gnctctagtg caagggatgg tacagtctca ggaaacacag nggctcttag      300
taggnctcgg cactgtagag ngngngnatc cccagagctg gngatgattt gggtgtcatc      360
```

381

```
<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G
```

```
<210> 745
<211> 96
<212> DNA
<213> Homo sapien
```

```
<210> 746
<211> 391
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(391)
<223> n = A,T,C or G
```

```
<210> 747
<211> 408
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(408)
<223> n = A,T,C or G
```



```
<210> 751
<211> 288
<212> DNA
<213> Homo sapien
```

<400>	751						
aaaactttttg	ttaagaaaaa	ctgccagttt	gtgcttttga	aatgtctgtt	ttgacatcat		60
agtctagtaa	aattttgaca	gtgcatatgt	actgttacta	aaagctttat	atgaaattat		120
taatgtgaag	nttttcattt	ataattcaag	gaaggatttc	ctgaaaacat	ttcaagggat		180
ttatgtctac	atatttgtgt	gtgtgtgtgt	gtatatatat	gtaatatgca	tacacagatg		240
catatgtgta	tatataatga	aattttatgtt	gctggnattt	tgcatttt			288

```
<210> 752
<211> 248
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(248)
<223> n = A,T,C or G
```

<400>	752						
ctggcactga	ggattatatc	catataagaa	ttcaacagag	aaacggcagg	aagaccctta		60
ctactgtcca	agggatcgct	gatgattacg	ataaaaagaa	actagtgaag	gcgtttaaga		120
aaaagtttgc	ctgcaatggt	actgtaattg	agcatccgga	atatggagaa	gtaattcagc		180
tacaggngna	ccaacgcaag	aacatatgcc	agttcctcgt	agagattgga	ctggctaagg		240
acqatcga							248

```
<210> 753
<211> 346
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(346)
<223> n = A,T,C or G
```

```
<400> 753
ctgctagaaa acaggggaaga tattagccaa tatggaattg ccaggttctt cactgaatat      60
tttaacagtg tatgccaggg aacacacatt ctctttcgag aattcagctt cgtccaagcc      120
accccccaaca atagggnatc attttttacgg gccttctgga gatgcttccg aactgtgggc      180
```

```
<210> 754
<211> 100
<212> DNA
<213> Homo sapien
```

```
<400> 754
gtgccacagg cagccctggg anataggaag ctgggagcaa ggaaagggtc ttagtcactg      60
cctcccgaag ntgcttgaaa gcactcggag aattgtgcag      100
```

```
<210> 755
<211> 405
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G
```

<400>	755						
tgtgggcccc	cttcccaa	at	ctctggagga	tctgcagctt	actcataaca	agatcacaaa	60
gctgggctct	tttgaaggat	tggtaa	accttc	catctccagc	acaatcggct		120
gaaagaggat	gctgtttcag	ctgcttttaa	aggtctttaa	tcaactcgaat	accttgactt		180
gagcttcaat	cagatagcca	gactgccttc	tggntccct	gtctctcttc	taactctcta		240
cttagacaac	aataagatca	gcaacatccc	tgatgagtat	ttcaagcgtt	ttaatgcatt		300
gcagnatctg	cgtttatctc	acaacgaact	ggctgatagt	ggaatacctg	gaaattcttt		360
caatgnqnc	tccctgqntg	agctgga	ctcctataac	aaqct			405

```
<210> 756
<211> 306
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(306)
<223> n = A,T,C or G
```

<400>	756						
ccttgggaaa	ttacctggaa	atgcgactga	aatcttcctt	cctgaggggt	ctgggctctt		60
ggaaatcaaa	ccctctcagg	ttgggtggct	ggacgattct	cctcacactt	anaatgggac		120
aaggggaacc	aggaggcccc	caaggggatc	cctgggntcc	acacgaactc	ctcctaccct		180
cattgngtga	cagcagccat	gcctcctcct	ggggatcagg	atctattacc	tgtgcctgga		240
gaggagggga	ctcctcttct	cacccgctgg	nctctggaca	catactgtcc	aattcccttg		300
tggcag							306

<210> 757  
 <211> 321  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(321)  
 <223> n = A,T,C or G

<400> 757  
 ctggaggag gntccctggg aggtttttgt ggattccttc tgcagngact cccctgggtt 60  
 ctggntctgg ggacccagng tccaggcgca gncttttagc acttctcagt gtagacgttg 120  
 acagggntct tttcccgctt gaatcctgct gagtcccaa atctcttgac ttgtcttggn 180  
 tacagnacc accagagctg ctncagntt tgacaaaagc agttgctgct gaagngatcg 240  
 ttttgaatcc tatcatagca ctggcaggtc ccggnaaatt cttacagtca gcaggcggac 300  
 ctggtgtgag ttgaatattc c 321

<210> 758  
 <211> 278  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(278)  
 <223> n = A,T,C or G

<400> 758  
 cgctcggcaa gntctcccag gagaaagcca tgttcagttc gagcgccaag atcntgaagc 60  
 ccaatggcga gaagccggac gagttcgagt ccggcatctc ccaggctctt ntggagctgg 120  
 agatgaactc ggacctcaag gctcagctna gggagctgaa tattacggca gctaaggaaa 180  
 ttgaagttgg tgggtggcgg aaagctatca taatctttgn tcccgnctct caaacctgcc 240  
 cgggcgccg cttcgagccc tatagtgagg cgnattag 278

<210> 759  
 <211> 401  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(401)  
 <223> n = A,T,C or G

<400> 759  
 gcaaaactgca aaccatggtg agaaattgac gacttcacac tatggacagc ttttcccaag 60  
 atgtcaaaac aagactcctc atcatgataa ggctcttacc cccttttaac ttgtccttgc 120  
 ttatgcctgc ctctttcgct tggcaggatg atgctgtcat tagtatttca caagaagtag 180  
 cttcagaggg taacttaaca gagtatcaga tctatcttgt caatcccaac gttttacata 240  
 aaataagaga tccttttagtg caccagnga ctgacattag cagcatcttt aacacagccg 300  
 ngtgttcaaa tgtacagngg nccttttcag agntggactt ctagactcac ctgttctcac 360  
 tccctgnttt aattcaaccc agccatgcaa tgccaaataa t 401

<400>	762						
tggactctgg	antgatgctg	gaagtagata	cgaaaatgng	aagaacaatg	gaacagcaca		60
ctttctggag	catatggctt	tcaagggcac	caagaagaga	tcccagttag	atctggaact		120
tgagattgaa	aatatgggtg	ctcatctcaa	tgcctatacc	tncagagagc	agactgtata		180
ctatgccaaa	gcattctcta	aagacttgcc	aagagctgta	gaaattcttg	ctgatataat		240
acaaaacagc	acattgggag	aagcagagat	tgaacgtgag	cgtggagtaa	tccttagaga		300
gatgcaggaa	gttgaaacca	a					321





<210> 766  
 <211> 424  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(424)  
 <223> n = A,T,C or G

<400> 766  
 ttgtggttgc gcctgagggc tctgcttccg acactcatga acaggctatc ttgcggttgc 60  
 aagtcaccaa tgttctgtct cagcctctga ctcaggccac tgttaaacta gaacatgcta 120  
 aatctgttgc ttccagagcc actgtcctcc agaagacatc cttcaccctt gtaggggatg 180  
 tttttgaact aaatttcatg aacgtcaa atttccagtgg ttattatgac ttccttgtcg 240  
 aagttgaagg tgacaaccgg tatattgcaa ataccgtaga gctcagagtc aagatctcca 300  
 ctgaagtgg catcacaat gttgatcttt ccaccgngga taaggatcag agcattgcac 360  
 ccaaaactac ccgggtgaca tacgcagcca aagccaaggg cacattcatc gcagacagcc 420  
 acca 424

<210> 767  
 <211> 302  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(302)  
 <223> n = A,T,C or G

<400> 767  
 ggcttttctca ataagcctca gcttttctaag atctaacaag atagccaccg agatccttat 60  
 cgaaactcat tttaggcaaa tatgagtttt attgtccggt tacttgtttc agagtttgta 120  
 ttgtgattat caattaccac accatctccc atgaagaaa ggaacggtga agtactaagc 180  
 gctagaggaa gcagccaagt cgnttagtggt aagcatgatt ggtgcccagt tagcctctgc 240  
 aggatgtgga aacctccttc caggggaggt tcagtgaatt gtgtaggaga ggttgtctgt 300  
 gg 302

<210> 768  
 <211> 94  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(94)  
 <223> n = A,T,C or G

<400> 768  
 ctgatctaaa agaagttact gaggaagatt tgaataatca ctttaagtct ttgggaagca 60  
 gnnatttgaa atnttgaggt gacagncttt taag 94

<210> 769  
 <211> 69





<210> 777  
 <211> 325  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(325)  
 <223> n = A,T,C or G

<400> 777  
 aaagttgaac taagattcta tcttggacaa ccagctatca ccaggctcgg taggnttgct 60  
 gcctctacct ataaatcttc ccactatctt gctacataga cgggtgtgct ctttttagctg 120  
 ttcttaggta gctcgtctgg ttccgggggt cttagctttg gctctccttg caaagttatt 180  
 tctagttaat tcattatgca gaaggatatag gggttagncc ttgctatatt atgcttggnt 240  
 ataatttttc atctttccct tgcggtacta tatctattgc gccagggttc aattttctatc 300  
 gcctatactt tatttgggta aatgg 325

<210> 778  
 <211> 421  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(421)  
 <223> n = A,T,C or G

<400> 778  
 ccaaaagaag taagacagct tgctgaagat ttcttgaaag actatattca tataaacatt 60  
 ggtgcacttg aactgagtg aaaccacaac attcttcaga ttgtggatgt gtgtcatgac 120  
 gtagaaaagg atgaaaaact tattcgncta atggaagaga tcatgagtga gaaggagaat 180  
 aaaaccattg nttttgtgga aaccaaaaga agatgtgatg agcttacnca nanaaatgag 240  
 gagagatggg tggcctgcca tgggtatcca tggtgacaan agtcaacaag agcgtgactg 300  
 gggtctaaat gaattcaaac atggaaaagc tcctattctg attgctacag atgtggcctc 360  
 cagagngcta gatgtggaag atgngaaatt tgtcatcaat tatgactacc ctaactcctc 420  
 a 421

<210> 779  
 <211> 330  
 <212> DNA  
 <213> Homo sapien

<400> 779  
 ctgaactttc cgcttacgct gcccagagct gccagggtga gactgagaat tcgagttttg 60  
 tttcttcctt ggggttgat ctgcagcctt ttctccctgg gactccctgt ctgctgccaa 120  
 tggagttgaa gaactggaat gatgacacag ctctcttct cttattttct ttgctggcct 180  
 ctccggtgtc tgggagcggg aggaggcttg ggctagagaa gggatgatgaa ctggggccat 240  
 ttctcttcca gagctgtgag atgcctcgag tggagctgta ggaactggta atggcattgc 300  
 ggctggagct agggatgcc aattgcgtaag 330

<210> 780  
 <211> 279

<212> DNA  
<213> Homo sapien

<400> 780  
gagaggtaga gtttttttcg tgatagtggg tcaactggata agtggcggtg gcttgccatg 60  
attgtgaggg gtaggagtcg ggtagttagt attaggaggg ggggtgttag ggggtcggag 120  
gaaaaggttg gggaacagct aaataggttg ttgttgattt ggttaaaaaa tagtagaggg 180  
atgatgctaa taattaggct gtgggtgggt gtgttgattc aaattatgtg ttttttggaa 240  
agtcagtca gtggtagtaa tataattgtt gggacgatt 279

<210> 781  
<211> 323  
<212> DNA  
<213> Homo sapien

<400> 781  
ttgatcttct gcaggaaggt gcagcttttc catatcagct caaccacgcc gccagtccat 60  
tcttaaggaa ctgccgacta ggactgatga tgcatttttag ctttgagctt ttgggggtta 120  
ttctaccaac aaacagtcga ttggaaagaa aacagtcctt ggaattaaca gattagaatg 180  
ttcacactgg ttaatctttt ttaacaatg agcatgaagg tagcagaagc tgggtgtgtt 240  
ccagatgggt cttctaacca aactaatttt tcaactgttg caagcgaggc aagggttgca 300  
ctggaccaa ggctgaggct tgg 323

<210> 782  
<211> 264  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(264)  
<223> n = A,T,C or G

<400> 782  
ttctagcttt gccctcactc cccggaaaaa ctgacactga cacagngct ctttccttgc 60  
ccctttagnt ggtacctcag tggggaggct tccttaccaa gaatgagttc ctgaaaccca 120  
gggccagaga caaggacaac ttagggggaag acgggggttt cggtggagcc aggggcaaat 180  
cttaatggga ccagnggggg ataccccaga gcccatggcc tgactgcaca gcctgcctgg 240  
aggatgggtg cgcagttctg cnct 264

<210> 783  
<211> 159  
<212> DNA  
<213> Homo sapien

<400> 783  
ctgtgtgaag gcgacagtgg tgcaggtctt cctgtggact agacgtccca gtcttgctt 60  
tcccttgata atgcagtaag ggaccccat tttacgacac agggcaggca agaagacaac 120  
cagctcgatg ggatccacgt cgtgtgcaat caccaccag 159

<210> 784  
<211> 128  
<212> DNA  
<213> Homo sapien



<400> 788  
 cgcaagagcc tatgnatgtg gnatccagaa ctcnegtngc gcaanccgca gagaccagc 60  
 caccctggnt gtncctctatg ggccggacac ccccatcatt tccccccag actcgtctta 120  
 cctttcngga gcgaacctca acctctcctg ccact 155

<210> 789  
 <211> 382  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(382)  
 <223> n = A,T,C or G

<400> 789  
 cctaagtaaa tgaagagctg taccatattc atgtattgga agacaacatt gtaaagatga 60  
 catggtttac cagattaatc tataaattca atacaaatcc aatcaaaatt tcaatgctct 120  
 tgggtttggt tgatttataa attggttggtc taattctaga agtaatatgg aggaacagtt 180  
 ggctaagaat agccaagaca ctncaaaggaa gaacaatttt gtgnggatac tggagacaga 240  
 ggtgaaattg gttacaatta tgacaaaatg tggaggcatc ttggttttta tcagaccttt 300  
 tcctaaagtt gcaataatca ggactgtact gtactgtac aagattagac aaattgatgt 360  
 cagtcagaat agaaatcatc aa 382

<210> 790  
 <211> 273  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(273)  
 <223> n = A,T,C or G

<400> 790  
 ggatccgcta cacagtttct gccagtcctt gagttgatgc cttttcggct aactcgccag 60  
 nttatcaatc tgatgttacc aatgaaagaa acggtnccta tgtacagnat catggtacac 120  
 gcaactccgnn ctttcgctc agaccctggc ctgctcacca acaccatgga tgtgtttgtc 180  
 aagnagccct cttttgattg gaaaaatttt gaacanaaaa tgctgaaaaa aggaggggtca 240  
 tggattcaag aaataaatgt tgctgaaaaa aat 273

<210> 791  
 <211> 344  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(344)  
 <223> n = A,T,C or G

<400> 791  
 aaagaatcag caaaatttca aataaaaaat tatgaaaata ttatcctcat tagttcattt 60



agtcccatga	aattaattat	tttctctgct	tgatcttggg	ggacagtttc	atgaagctgt	120
cagttagttc	attaaagttt	tggaatttct	cagacagtgc	agtggatatca	gaaacttgta	180
ttcaagagta	caggtcagag	ccttcttttc	tttctttttt	gagatggagt	cttgctctgt	240
tgccagactg	gagtgcagt	gtgcgatctg	ggctcactgc	aatctccacc	tcccgggttc	300
aagcgattct	cctgcctcag	cctcccaggt	aactgggact	acag		344

&lt;210&gt; 792

&lt;211&gt; 227

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(227)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 792

gacaaacctg	aaattgaaga	tggttggttct	gatgaggaag	aagaaaagaa	ggatgggtgac	60
aagaagaaga	agaagattaa	ggaaaagtac	atcgatnaag	aagagctcaa	caaaacaaag	120
cccattctga	ccagaaatcc	cgacgatatt	actaatgagg	agtacggaga	attctataag	180
agcttgacca	atgactggga	agatcacttg	gcagngaagc	atttttc		227

&lt;210&gt; 793

&lt;211&gt; 328

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 793

aaacaagtca	tttttcttga	tcgttggtga	aggtttgagg	ccttagagggt	atgtcagaaa	60
aaatatgttg	gtattctccc	ttgggtaggg	ggaaatgacc	tttttacaag	agagtgaat	120
ttaggtcagg	gaaaagacca	agggccagca	ttgctacttt	tgtgtgtgtg	tgtgggtttt	180
gttttgtttt	tttggttggc	cgggtgtttt	cggtgtgtgt	aacaaaggaa	tgagaatatg	240
taataactta	ataaacatga	ccacgaagaa	tgctgttctg	atttactaga	gaatgttccc	300
aatttgaatt	tagggtgatt	ttacctgc				328

&lt;210&gt; 794

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 794

ccagcgagca	catgaagcgg	ttcttcatga	actttgtggt	tgggcaggat	ccgggctcag	60
acgccgcctt	ccacttcaat	ccgcggtttg	acggctggga	caaggtgggc	ttcaacacgt	120
tgcagggcgg	gaagtggggc	agcgaggaga	ggaagaggag	catgcccttc	aaaaaggggtg	180
ccgcctttga	gctggtcttc	atagtcctgg	ctgagcacta	caaggtgggtg	gtaaatggaa	240
atcccttcta	tgagtacggg	caccggcttc	ccctacagat	ggtcacccac		290

&lt;210&gt; 795

&lt;211&gt; 343

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 795

aaaatcaaag	aaatccttgt	tttgaaaatt	ggatcttaat	ctcaaaattg	tagaacttgg	60
------------	------------	------------	------------	------------	------------	----

ctgagacccat	tgcttttcatt	ttgaaaatga	acttcaactc	cagaaagacc	agtgtgtgct	120
ctgccaaata	aattttctgag	tcacagtctc	actaggaatg	tgcaaatacaa	agcatatggt	180
gggtgtaaatt	cttttgaagt	ccttgccaag	ataatcaatg	gcattttacat	ttgctttttt	240
ctttaataaaa	aattccacca	ttttcacttt	tcttcgactc	acagcaagta	acagtggctg	300
atattcattc	ttgctgcatt	cttcaatatt	tgtaccatgt	gaa		343

&lt;210&gt; 796

&lt;211&gt; 354

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 796

tggcggggccg	ctgaataagc	ttccaaaatg	atgcccacac	cagttattct	attgaaagag	60
gggactgata	gctcccaagg	catccccag	cttgtgagta	acatcagtgc	ctgccagggtg	120
attgctgagg	ctgtaagaac	taccctgggt	ccccgtggca	tggaacaagct	tattgtagat	180
ggcagaggca	aagcaacaat	ttctaattgat	ggggccacaa	ttctgaaact	tcttgatggt	240
gtccatcctg	cagcaaagac	tttggttagac	attgccaaat	cccaagatgc	tgagggtgggt	300
gatggcacca	cctcagtgac	cttgctgggt	gcagagtttc	tgaagcagac	ctgc	354

&lt;210&gt; 797

&lt;211&gt; 309

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 797

ctgtgccgtc	tgccctgagcc	catggatgct	ttctcaatcc	taggctgggt	actgtgtaag	60
cgttttggag	tacggggcct	tgagcgggtg	ggagctgtgt	gttgaagtac	agagggaggt	120
tgggggtgggt	cagagccgag	ttaagagatt	ttctttgttg	ctggacccct	tcttgaaggt	180
agacgtcccc	caccgggaga	gacgtcgcg	tgtggcctga	agtggcgcaa	gcttgctttg	240
taaatatctg	tggtcccgat	gtagtgccca	gaacgtttgt	gcgaggcagc	tctgcgcccg	300
ggttccagc						309

&lt;210&gt; 798

&lt;211&gt; 315

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 798

ccaccagcat	tgacgttctt	gccatccaga	agagctgaca	gtgtcagttt	aatacctggc	60
tttagagtct	gagtgtatcc	taaacctatc	aggctggagt	tgttcaactt	agccgagaag	120
caggcgtcag	ggtcaatctg	atacttggct	gctattccga	agcgcgtgtt	actgtttcct	180
gctgtccagg	caagattgac	agcggctctc	aacttcttgt	tcactttctg	gtaaatggag	240
ccgcaaact	ctgtcccgtc	attcacatta	gtgtgaagct	ggaattcatc	agtctttag	300
ccaactgcaa	agttg					315

&lt;210&gt; 799

&lt;211&gt; 157

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 799

ctgtgatttc	ctccatagtt	ggcttctggg	tcaggccata	ggcaatattt	tcttgaagac	60
ttcttccaaa	tacctgtggc	tcttgtccca	ctgcagccac	ctgcctgtgc	aggtagcgggt	120
gctcatattg	gggaaggggc	ttcccatcca	acagcag			157

```
<400> 803
cctatttcac tgctgtgtag cctcagtgcc taacatgggt gccaaataaa tattcgtaga      60
attacactga attgtaaaaa ccattcgntt ttgnttacaa ttgccaaaaa tctcaaaagg      120
ccctgtattt atgtaattct ttgaaattat tattttattt tgattttctca gttattgact      180
ggctggnggt gacttagtac ataagtactc aatattatna aaacctcaaa taattgactt      240
gattttacac aacatccttc ccttttctac aagntaattt ttttacaaat catttgqgtt      300
```

atctcctaaa t

311

&lt;210&gt; 804

&lt;211&gt; 202

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 804

ctgttcggat	ttaacttcat	cttctggctt	gccgggattg	ctgtccttgc	cattggacta	60
tggctccgat	tcgactctca	gaccaagagc	atcttcgagc	aagaaactaa	taataataat	120
tccagcttct	acacaggagt	ctatatctg	atcgagagccg	gcgccctcat	gatgctggtg	180
ggcttcctgg	gctgctgcgg	gg				202

&lt;210&gt; 805

&lt;211&gt; 238

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 805

ccaaccagtc	tggctggagt	gatgcattcc	tggcccagca	cacgatgctt	accctggatc	60
ccaacgtcac	cggtgtcttc	ctgggaccct	acccctttgg	catcgatcct	atttggagcc	120
tggctgccaa	ccacttgagc	ttcctcaact	ccttcaagat	gaagatgtcc	gtcatcctgg	180
gcgtcgtgca	catggccttt	ggggtggtcc	tcggagtctt	caaccacgtg	cacttttg	238

&lt;210&gt; 806

&lt;211&gt; 325

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(325)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 806

cctgaggtct	gcggaaggtg	ggaggaggca	gacgccctgc	gtggcccatg	gtcggggcgt	60
ccacgccgag	gccggcaaca	aacgacagta	tctcggattc	cttttttttt	taatttttta	120
tactttggng	tttacttctg	ngctctgaat	actgaataac	catgaatgac	tgaatagttt	180
agtccagatt	tttacagagg	atacatctat	ttttatcatt	atttgggggtt	tgaaaaattt	240
ttttttacac	cttctaattt	ctttattttct	caaagcagat	aattcttctg	ngtgaaaatg	300
ttttcttttt	ttaatttaag	gttta				325

&lt;210&gt; 807

&lt;211&gt; 289

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 807

cctaaaggga	actgtcttct	gtcgagaagt	aaaggaaaact	tcatgaagga	tgtagaagct	60
tagctgcctc	agagaagaga	gaacctgaag	atctgaggca	agctggacag	gagaggtaga	120
tatttgttga	tggaagaatt	caagtttata	atcaattccc	acttagcacc	tactgtgtgc	180
taggaacttg	aatgtgtatg	tttgacaagt	cctgcttggc	ctgatgggtg	ggagaaggaa	240
cctgagcctg	gctgagatgg	ctaggcggag	ggctttgaag	tccaagcag		289

<400> 808

<210> 809

$\langle 211 \rangle$  243

<212> DNA

<213> Homo sapien

<220>

<221> misc feature

$$\langle 222 \rangle \quad (1) \dots (243)$$

<223> n = A, T, C or G

<400> 809

ccatctcatt	ttcaaagtn	c	agagctacat	aacacagttt	ctccttgatg	tcccggacaa	60
tctcacgctc	agcagtagta	c	acgaaggaat	agccacgctc	agtcaggatc	ttcatgaggt	120
agtcagtgag	atctcggcca	c	gccagatcca	gacgcatgat	gncatggggc	aagnnatagc	180
cntcatagat	ggngacantg	c	tgggtgacac	catctccaga	gtccagcacg	atgccagttg	240
tgc		c					243

<210> 810

<211> 274

<212> DNA

<213> Homo sapien

<400> 810

aaaaaacacg	tttgttatta	ccaaaaagag	acgtcttttag	gtaaaaataa	taaaaacccc	60
atgctgcatt	gataatgcag	atagttctat	ttatctggtc	aacgggcaaa	aagcaagcac	120
tttaggtctt	cagctccaat	cttttgttca	tttcttattg	ctggaatttc	atattttcttc	180
ttgttggatg	actaaaccgg	atgatggtag	agatggtaag	ccggcattta	ctcagccccg	240
ccctgctcag	cctcggggagc	ggacgaattc	tcag			274

<210> 811

<211> 205

<212> DNA

<213> Homo sapien

<400> 811

```

ctgggtggaga tcatcaaggt gctgggaaca ccaaccgagg aacaaatccg agagatgaac      60
cccaactaca cggaggttcaa gttccctcag attaaagctc acccctggac aaaggtgttc      120
aaatctcgaa cgccgccaga ggccatcgcg ctctgctcta gcctgctgga gtacacccca      180
tcctcaaggc tctccccact aagagg                                     205

```

<210> 816

<211> 92  
 <212> DNA  
 <213> Homo sapien

<400> 816  
 cggccgcaga agcgagatga cgaagggaac gtcacgcttt ggaaagcgtc gcaataagac 60  
 gcacacgttg tgccgccgct gtggctctaa gg 92

<210> 817  
 <211> 367  
 <212> DNA  
 <213> Homo sapien

<400> 817  
 ttggaggact atttgaattt tgcaaactat ctcttgtggg tttttacacc actaatactt 60  
 ttaataacttc cttactttac tatctttctt ctctacctta ctattatttt cttacacatt 120  
 tataagagaa agaattgtatt gaaagaagcc tactctcata atttatggga tgggtgcaagg 180  
 aaaacagtgg caactctgtg ggatggacat gcagccgctt ggcattgtta tgaagtcat 240  
 ggaatggaaa aaataaccaga agatggacca gcacttataa ttttttatca tggagctatt 300  
 cctatagatt tttactatct catgggctaaa atattttatac acaaaggcag aacttgccga 360  
 gtagtag 367

<210> 818  
 <211> 381  
 <212> DNA  
 <213> Homo sapien

<400> 818  
 aaataaaaagt attacgtaac tttgaaattt gtataaaaatt aaaagatagt aaaaacaact 60  
 attctaacag aattcaaaac ctgttatgct tcagtggaga gattattcaa gataagtccg 120  
 tgggaaattg ggagtacatt tctactggca aagttagtga taactatgca cttctgacaa 180  
 aatgtgaaat ggggggtatg ggcgtgtcat atcatcatgg tgcagatacg tggatgtgtg 240  
 cttccaaaca atggcaacct aactgactgc tggaaccata caaaatacct gaaactactc 300  
 agaaaagaag tgaaaattgc atgcaaaaat tatttgaaaa atattgagct aacacaacat 360  
 gaatttgga ttataagtga g 381

<210> 819  
 <211> 109  
 <212> DNA  
 <213> Homo sapien

<400> 819  
 ccattggccgc ttccagacca tggaggagaa gaaagcattc atgggaccac tgaagaaaga 60  
 ccgaattgca aaggaagaag gagcttaatg ccaggaacag attttgcag 109

<210> 820  
 <211> 309  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(309)  
 <223> n = A,T,C or G

```
<210> 821
<211> 236
<212> DNA
<213> Homo sapien
```

```
<210> 822
<211> 388
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(388)  
<223> n = A,T,C or G
```

```
<210> 823
<211> 353
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(353)
<223> n = A,T,C or G
```

<400>	823						
aaaagttttg	atcttttttct	cagcaggtat	cagttgtaaa	taatgaatta	ggggccaaaa		60
tgcaaaacga	aaaatgaagc	agctacatgt	agttagtaat	ttctagtttg	aactgtaatt		120
gaatattgtg	gcttcatatg	tattattttta	tattgtactt	ttttcattat	tgatggnntg		180
gacttttaata	aqagaaaattc	catagtttttt	aatatcccaq	aagtgaqaca	atttgaaacq		240



<400>	826						
ccccagaagn	gacgcagccc	tctatnngcc	cnaatcttct	tcantcgctc	caggtcttca		60
cggagcttgt	tgtccagacc	attggctagg	acctggctgt	attttccatc	ctttacatcc		120
ttctgtctgt	tcaagaacca	gtctgggac	ttgtactggc	gnngattctg	cataatggng		180
atcacacgtt	ccacc						195

<220>

<223> n = A, T, C or G

gttcaaagca	gaaaatcctg	agcctctagt	gtttggtgtg	aagtacaatg	caagttcttt	60
tgccaagttc	acgcttattg	tgacagatgt	gaatgaagca	cctcaattct	cccaacacgt	120
attccaagcg	aaagtcagtg	aggatgtagc	tataggcact	aaagtgggca	atgtgactgc	180
caaggatcca	gaaggctctg	acataagtta	ttcactgagg	ggagacacaa	gaggttggn	240
taaaattgac	cagctgactg	gtgagatctt	tagtgtggct	ccattggaca	gagaagccgg	300
aagtcctat	cngtacaag	tgtgtg				325

<213> Homo sapien

tggtaccggg cccccccct gagcgatgga gcgtgggtag ggagggtcca cagtgtccac 60  
tcgccgtatg cgaaggttga ctccg 85

<213> Homo sapien

aggcggagag	gatcatgtcc	gggaactgcg	gggtagtagc	gatctgggtt	accagccgt	60
tgtggccctt	gagggtgcca	cgaagggtca	tctgctcagt	catggcggcg	gcgagagcgt	120
gtgtcgctgc	agcgacgagg	atggcactgg	atggcttaga	gaaactagca	ccacaacctc	180
tcctgccgtc	gacgcggccg	cg				202

<213> Homo sapien

$\langle 223 \rangle$  n = A, T, C or G

ccggctggtc	ctgcatcgcc	atctgctggc	cgcgcggcac	ggccggttcc	tggagccagc	60
aggagtcgga	ggctgcaggg	cttgaaggcc	tcttcaccgt	gccctccagg	gagcctagct	120
gccgaagtat	tcttgctgga	acttctggaa	gtcttcctcg	gtgaacacgg	tgccctcagc	180
cttcttcttc	ttggtcttgg	ccacaggccg	gtcacaggcc	ttgcggcccc	ggttctggcg	240
caaaatctgc	tggtctcacag	actcagccac	ggtgcttctc	gtcctggtca	gaaacttcag	300
gtttactctg	aggtggtctc	gacactctcg	cttccggtac	tcgtccagtg	ccgacttggg	360
cacctttccc	ttggccgagt	tccgcagttt	ctgggcctga	attgccttcg	tcttcggggg	420
ccgtttcacc	gganccctc	tcggtctggc	ctgacctgga	gggtcccggg	gggcctngga	480
cgccgccagc	agctncaggc	ccc				503

<210> 834

<210>	838
<211>	538
<212>	DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(538)

<223> n = A,T,C or G

<400> 838

ggcgtcctgg	tgcttaccac	ctggaaactg	gtgaggtggt	gggagaactc	ctggtggacc	60
ctagtggaa	ccttccagta	atttcttgaa	gctgagcgct	caggtgagta	gggcgacatc	120
tggtggccgg	ttgttgaagg	tcattgcaga	gaggaaggaa	gccgaggagg	ggagcctgca	180
gtgagggcgt	cctgggggtc	tccggttctc	accacccttg	ggccacgccg	tctagtccac	240
acctgaggag	ttggtcaggt	agaaggggcg	gatgaccgtg	cggaagccgt	tgaagtggcc	300
tgccgggcag	gggaaggagg	aggtgctctt	cgagctgttg	gtgtccaggg	cactgggaat	360
cgcagccttc	cagccctcga	aatcggtgac	gtctgccacg	aagagccctt	cgcagagcat	420
cagggctttg	ttttcgtagg	caatggtgcg	atctgagccg	ccagacttgg	tgaggcccan	480
gacagggagc	tcgtccgagg	agcaggagaa	gccgtagtct	cagcagctct	ggatggtg	538

<210> 839

<211> 351

<212> DNA

<213> Homo sapien

<400> 839

aaggcggcaa	cggtggtgaa	agatatagca	ggcctggtct	ttgtacagcg	gatgctcgtg	60
aagagggggc	gagcggtaga	accttggggtc	cttgtagccg	cggtcccagg	gcggaaagat	120
cggccgcgcc	agccagggca	cgaagtgcac	cttccccgca	aaggtgatgg	gctccagtcc	180
agggatctcg	taccccttat	ccaggggagg	aggctccgac	ttccgcgtgg	agcgcacgcc	240
ccactcatat	gccccgcgtc	tcggggcccc	gaagccccc	aggccgagct	gcccggagcc	300
agctagcgcc	cgccttgcgg	gcccggacgc	caatgccata	ccgatctgat	a	351

<210> 840

<211> 574

<212> DNA

<213> Homo sapien

<400> 840

tggcctgcaa	ggccgcggac	agggcgagca	ccgagtcgta	cattttgcag	ctcatcatcc	60
ccgtgctctg	cgtagcgag	tccatccaca	gccccttgta	catggcctgg	gccgtgatga	120
tggtgtcacc	cgcataggag	ctcatctgcc	actgcgggat	ggcgggtgcag	gccaccagac	180
ccaccagacc	cagcagggcc	atggagaagc	ccagcaactg	caggcccga	ttggccattt	240
ccgccctcag	aaaacactgg	gggcgccggg	cgggagaccc	tacagtaaaa	caaacgacac	300
ttggggggca	gccccacaaa	agaaaacttg	aggtggagtt	ttccggtcac	ccaaagagac	360
aaaaagggtt	tgggcccagg	gaatgcaaat	cttgtcacca	aactacacac	aaatcgaccc	420
ctccagtga	gcgatggcct	cgcggcacag	ggagtaggat	acgccgggag	ggtggttcca	480
gacaaaattg	gtggtccccg	aaggccaggc	ggttccctcc	ggcgtctctg	gcgaccctag	540
gcaaacaaaa	ggtggagggg	ccgtctgggc	gcgt			574

<210> 841

<211> 195

<212> DNA

<213> Homo sapien

<400> 841

```
<210> 842
<211> 207
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(207)
<223> n = A,T,C or G
```

<400>	842					
cggccgccct	tttttttttt	ttttcgttga	aaaccaataa	tttatcaaaa	cgctgcgtgt	60
gtatgtgggg	gggaggggtg	cacancncnc	agggcagcgg	ngggcggacg	cacaggcagg	120
aaacgnggcc	cggaaagngn	ggcggnnann	ttgccactgg	ctggcccatgc	gggcgggcag	180
qctaaacatt	nttqccgcqc	aqqcqca				207

```
<210> 843
<211> 62
<212> DNA
<213> Homo sapien
```

<400> 843.  
cgatggagcg tgggtaggga ggggccacag tgtccactcg ccgtgtgcga aggttgactc 60  
gg 62

```
<210> 844
<211> 118
<212> DNA
<213> Homo sapien
```

<400> 844  
 ttgggtacac tccctggtac cgggcccccc cgatccggct gccagccctg aggccaagca 60  
 cggctggaga cccacgacct ggctgccgt tgccctgagc tgcagcctcg gccccagg 118

```
<210> 845
<211> 99
<212> DNA
<213> Homo sapien
```

```
<400> 845
gtacactccc ctggtaccgg gccccccac tacaggagtc accttcgcac acggcgagtg      60
gacactgtgg accctcccta cccacgctcc atcgctcag                                     99
```

```
<210> 846
<211> 559
<212> DNA
<213> Homo sapien
```

<220>

<210> 849

aggcctcaca	gaggcggggg	cagaaggcgg	cgacccanag	ccgccacatc	ccccgccttg	60
ggcgccgtca	cagtccccag	acgccctgga	ctcctgcagt	ctacgaagac	gcgcggggga	120
cggcgtgggt	ccgagagagg	gcgccaaaag	cgacgtgccg	gcgccagct	ccaggccgag	180
ccccgagcgc	ctgcaggaac	aggccccttc	acccggcgcg	ggacgcagag	ctgcgagaga	240
atcttggtca	gcgcggactc	aacgccaggg	cgccgcctag	aggttggtct	ctgtctcggc	300



```
<210> 853
<211> 626
<212> DNA
<213> Homo sapien
```

```
<210> 854
<211> 218
<212> DNA
<213> Homo sapien
```

```
<210> 855
<211> 50
<212> DNA
<213> Homo sapien
```

```
<210> 856
<211> 116
<212> DNA
<213> Homo sapien
```

```
<210> 857
<211> 402
<212> DNA
<213> Homo sapien
```

<210>	861
<211>	204
<212>	DNA



```
<400> 869
agggcgagag gatcatgtcc ggggaactgcg gggtagtagc gatctggggtt acccagccgt      60
tgtggccctt gagggtgccca cgaagggtca tctgctcagt catggcggcg gcgagagcgt      120
gtgtcgcttc agcgacgagg atggcactgg atggccttaga gaaactagca ccacaacctc      180
tctcgccgcc qtcgacg
```

```
<220>
<221> misc_feature
<222> (1)...(579)
<223> n = A,T,C or G
```

```
<210> 871
<211> 518
<212> DNA
<213> Homo sapien
```

```
<210> 872
<211> 404
<212> DNA
<213> Homo sapien
```

$\langle 210 \rangle$	873
$\langle 211 \rangle$	175

<213> Homo sapien

gggtgccagc gctctaccc cgtgctgcag cagagcctgg tgcgggccgc ccgcgcgagg 60  
ggcgccgccc ccagccctg aaccagaagc ctgagcaact acggacgcaa gccgaggacc 120  
gtgctgccgc cgtccacgaa aagaccgcgc ccacggcct ccagtttgcg tcgag 175

<213> Homo sapien

ggtagagaac	cctgcggtctg	cgctttcggg	gcccgcgaga	ggcgctgggg	cgcccggcag	60
gggccgctgc	gggctccggg	agaggggtcga	aggtgaagat	ctcaggaccg	gagccccgcc	120
gggggtcccgg	gatggtggag	ggggccgggg	tcggggcctg	caggatggtc	atggtcgggt	180
ggcagctgcg	agagtgcac	atggtgagcc	gagcg			215

<213> Homo sapien

atccagagac	aatctgccg	ttgtcagagg	agaaggccac	actcagcaca	tccttggtat	60
ggcccaaaaa	tgcctcgtg	gtggtgccc	ttgtgagatc	ccagaggcgc	agggttccat	120
cccaggagcc	tgagagggca	aactggccat	ctgaggagat	aaccacatca	ctaacaaagt	180
gggagtqacc	ccgcagagca	cgctgtgg				208

<213> Homo sapien

gagcagctgg	tttctcctgg	acagcagcat	ctggctccgc	tcccttcgga	actccaggta	60
ctccttattg	tttttgagct	tgttcatgca	gtccatgagg	gctgggtagc	cacctgagaa	120
tgcgccacagg	tgcactgcct	ggtcctgctc	cccataccac	gtgttccagt	tgcccacgag	180
tgagcatggg	tagtcctcat	ccagggtgaag	cttggggcagc	acagcctccg	tgaggctgtt	240
gtaggcatcc	aggtattcag	gctttacatt	gtgaaactgg	atcttataga	ggttgctggg	300
ttccttcctg	gacagcaggg	tggagtgggc	atccttccgg	ggatccactt	tgtgaacaaa	360
gagggagcgg	aaccagctgc	cttcattgtc	cttgggaatag	aaacgcgccg	cagctgcaga	420
cgcaacgtcc	ccagcgcgag	gccccggggc	ccccagcagc	cgccgcgccg	tcacagagat	480
gctg						484

<213> Homo sapien

ggcgctcctgg tgccttaccac ctggaaactg gtgaggtggt gggagaactc ctggtggacc 60  
ctagtggaaag ccttccagta atttcttgaa gctgagcgct caggtgagta gggcgacatc 120

```
<210> 878
<211> 503
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(503)
<223> n = A,T,C or G
```

```
<210> 879
<211> 78
<212> DNA
<213> Homo sapien
```

```
<210> 880
<211> 211
<212> DNA
<213> Homo sapien
```

```
<210> 881
<211> 373
<212> DNA
<213> Homo sapien
```

<223> n = A, T, C or G

cccacagtgg	cttgtttccg	cagtgcgcgg	ccgtcannac	ccaactctgg	tccaccagga	60
cacccgcgca	gtggaacgag	aggccgtnga	agagcgagac	ctgccagggc	tgcgagccgc	120
gcgcgcacgg	ggcgccatag	gttcgggggt	ccaagcgcgt	gtcgttttgg	gggagcagcg	180
ccgcctctgc	ggcccagagt	tgcgccatca	gcagcggcag	cagcttcgcc	agagcccggg	240
cgccagaggc	ggcggagagg	tggaggtgcg	gagctctcat	ggccaggatc	tgggagtcgc	300
cgataggaa	gagggagggg	accagacgt	gcctntgccc	tgctgtgggt	ctgccgcgtc	360
cgacacggcc	acg					373

<213> Homo sapien

<223> n = A, T, C or G

cggccgcgctt	ttttttttttt	ttttcagaca	attcagcctt	tatttttanaa	aataattctg	60
tagcttccac	tttctttcat	gaaactgagg	tcaggcaaga	aacaaaaatc	caccaagtcc	120
tctccatcct	gccatggcgt	cctggcctgt	gaggacatgg	ggcgctctggg	agcggggcggg	180
gaggctgggc	agcatgggc	cgaggcgctc	ctggctactg	ctccacctgg	tctactgtcc	240
acctcatgct	gagaggaqcc	tgtgtgtcaa	accccgaggg	aaaaagggac	aggcagatcg	300

<213> Homo sapien

ggtagagaac	cctgcgctg	cgctttcgg	gccgcgaga	ggcgctggg	cgcccgccag	60
gggccgctgc	gggctccgg	agagggctga	aggtgaagat	ctcaggaccg	gagccccgcc	120
gggggtcccgg	gatggtggag	ggggccgggg	tcggggcctg	caggatggtc	atggtcgggt	180
ggcagctgcg	agagtgcac	atggtgagcc	gagcggctga	cgcgcccgcg		230

<213> Homo sapien

<223> n = A, T, C or G

<400> 884



```

gcccccaatt ccagctgccca caccacccac ggtgactgca ttagttcgga tgtcatacaa      60
aagctgattg aagcaaccct ctactttttg gtcgtgagcc ttttgcttgg tgcaggtttc      120
attggctgtg ttggtgacgt tgtcattgca acagaatggg ggaaaggcac tgttctcttt      180
gaagtagggg gagtcctcaa aatccgtata gttggtgaag ccacagcact tgagcccttt      240
catgggtggg ttccacactt gagtgaagtc ttcctgggaa ccataatctt tcttgatggc      300
aggcactacc agcaacgtca ggaagtgtc agccattgtg gtgtacacca aggcgaccac      360
agcagctgca acctcagcaa tgaagatgag gaggaggatg aagaagaacg tcacgagggc      420
acacttgctc tcagtcttag caccatagca gcccgagaaa ccaagagcaa agaccacaac      480
gccggctgcg atgaggaagt agcccacgtt gacaaactgc atggcactgg acgacagtgg      540
cccgaagatc ttcanaaagg atgccccatc gattgacacc cagatgcccc ctgccaacag      600
g                                                                                   601

```

```

<210> 885
<211> 207
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(207)
<223> n = A,T,C or G

```

```

<400> 885
caggcggaga ggatcatgtc cggaactgca ggggtagtag cgatctgggt taccagccg      60
ttgtggccct tgaggggtgcc annaagggc atctgtcag ncatggcggc ggcgagagcg      120
tgtgtcnntg cagcgacgag gatggcactg gatggcttag agaaactagc accacaacct      180
ctcctgccgc cggtcgacgc ggccgcg                                           207

```

```

<210> 886
<211> 442
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

```

```

<400> 886
cancttatan aaanggnaaa ggaaacccca acatgcntgc nctgccttgg tgaccagggg      60
agtcacccca cggctatggg gaaattancc cgaggcttag ctttcattat cactgtctcc      120
cnnggtgtgc ttgtcaaaga gatattccgc cnagccanat tcgggcgctc ccatcttgcg      180
caagttggtc acgtggtcac ccaattcttt gatggctttc acctgctcat tcaggtaatg      240
tgtctcaatg aagtcacaca aatgggggtc atttttgtca gnggccagtt tgtgcagttc      300
cagtagtgac tgattcacat ttttttccaa atgtaatgca cactccattg cattcagccc      360
gctctcccag tcatcacagt ctggttntt gatatcctga aggaagattc ggccacctcg      420
tnggttctgc agcttcatca gt                                           442

```

```

<210> 887
<211> 222
<212> DNA
<213> Homo sapien

```

```

<400> 887

```

```
<210> 888
<211> 89
<212> DNA
<213> Homo sapien
```

```
<210> 889
<211> 451
<212> DNA
<213> Homo sapien
```

<400> 889						
gcggncgctg	gacttggtt	gagctgtgag	gggtgggagg	ggaggatagc	accggaagat	60
gctgctccgg	gccaacacc	agccctggcc	aggctctccc	ctcccagggg	cagcgcccag	120
tcccagggg	ctgccagagc	cctgtgtgcc	ttgcgcatt	cccctgatgc	agcttttggc	180
aaactgaaagg	cagggctctc	gctgagtgc	cctggggctt	cctgagccca	tctgcggcgg	240
ccccaccctg	gcctaggtgc	tgagtgcagc	tgctgcagac	agcccctccc	tccttagtgg	300
agcctggagg	gtggggtgct	cgggatgca	ggcaggggca	ggggctccag	agccacaggt	360
cagaagcagg	gctgggggag	gggtggagcc	attcagcctc	aggcaccctc	acagctaggt	420
gactaggggc	agggacagaa	tggggtgaat	t			451

```
<210> 890
<211> 66
<212> DNA
<213> Homo sapien
```

```
<400> 890  
tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac ctgctgcctc acccacagct    60  
tttgat                                     66
```

```
<210> 891
<211> 599
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G
```

<400> 891





```
<210> 899
<211> 67
<212> DNA
<213> Homo sapien
```

```
<210> 900
<211> 77
<212> DNA
<213> Homo sapien
```

```
<210> 901
<211> 114
<212> DNA
<213> Homo sapien.
```

```
<210> 902
<211> 64
<212> DNA
<213> Homo sapien
```

```
<210> 903
<211> 63
<212> DNA
<213> Homo sapien
```

```
<210> 904
<211> 142
<212> DNA
<213> Homo sapien
```

<400> 904  
tcctcagcca gggagacagg gaccaggcag cacaggcctg ccagcaggag gatgccccac 60









559

<213> Homo sapien

<223> n = A, T, C or G

gctccttggc	gagcacgtga	ccccggcggg	cacgcaggag	ggcaggcagg	cccctgcgca	60
ggcgctgggt	ggactgcttc	caggtgtcat	attggaagaa	cttgcccacg	gggtatctgg	120
ggaagttgtc	cggaagcacg	gtcggagggg	tcgacacgtc	cctctcggac	ttggcggggg	180
tagcacagta	cgtctccagg	agggccagg	cacagctgcg	gaaacagcac	tcctcaacga	240
tgccacggct	gcgacggctc	acacggcttg	cgggcctgct	gaantanaag	ccgcggtccc	300
cacagacgaa	ctggagggtg	tccaccagct	ccccgcgcga	cagggtctca	ctggggcggn	360
aagcagcaat	gcancacgag	gcgaaggcca	anaaggngan	aagcaccanc	atcgacttcc	420
ccattgggat	tcccatgtgt	gtctgga				447

<213> Homo sapien

gtctccttggc	gagcacgtga	ccccggcgggg	cacgcaggag	ggcaggcagg	cccttgcgca	60
ggcgttgggt	ggactgttc	caggtgtcat	attggaagaa	cttgccacg	gggtatctgg	120
ggaagtgttc	cggaagcacg	gtcggagggg	tcgacacgtc	cctctcggac	ttggcggggg	180
tagcacagta	cgtctccagg	agggccagg	cacagctgcg	gaaacagcac	tcctcaacga	240
tgccacggct	gcgacggctc	acacggcttg	cgggcctgct	gaagtagaag	ccgcggtccc	300
cacagacgaa	ctggagggtg	tccaccagct	ccccgccgca	cagggtctca	ctggggcggt	360
aagcagcaat	gcagcacgag	gcgaaggcca	agaaggtgag	aagcaccagc	atcgacttcc	420
ccattgggat	tccattgggt	gtctggaagc	cggcgacgct	gccgccacc	tcctgtctgc	480
gtgtcgcaaa	ccgaacagcg	ggcgttggcc	ctcctgccgg	acactcctct	gccagcgccg	540
ctctggccga	gtcgcggggg	ccgaatgtgc	gacg			574

<213> Homo sapien

```
gccgcgctcg tcgtcgacaa cggctccggc atgtgcaagg ccggcttcgc gggcgacgat      60
gccccccggg ccgtttccc ctccatcgtg gggcgcccca ggcaccaggg cgtgatggtg      120
ggcatgggtc aqaaggatt                                     139
```

<213> Homo sapien



ggagagacgc agcggaggtt ttcctggttt cggaccccag cggccggatg gtgaaatcct 120  
ccctgcagcg gat 133

<210> 924  
<211> 216  
<212> DNA  
<213> Homo sapien

<400> 924  
gggtagagaa ccctgcggct gcgctttcgg tgcccgcgag aggcgctggg gcgcccggca 60  
ggggccgctg cgggctccgg gagagggctg aaggtgaaga tctcaggacc ggagccccgc 120  
cgggggtcccg ggatggtgga gggggccggg gtcggggcct gcaggatggt catggtcggg 180  
tggcagctgc gagagtgaca catggtgagc cgagcg 216

<210> 925  
<211> 649  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(649)  
<223> n = A,T,C or G

<400> 925  
ggcccccaat tccagctgcc acaccaccca cgggtgactgc attagttcgg atgtcataca 60  
aaagctgatt gaagcaaccc tctacttttt ggtcgtgagc cttttgcttg gtgcaggttt 120  
cattggctgt gttggtgacg ttgtcattgc aacagaatgg gggaaaggca ctgttctctt 180  
tgaagtaggg tgagtcctca aaatccgtat agttggtgaa gccacagcac ttgagccctt 240  
tcatggtggt gttccacact tgagtgaagt ctctctggga accataatct ttcttgatgg 300  
caggcactac cagcaacgtc aggaagtgt cagccattgt ggtgtacacc aaggcgacca 360  
cagcagctgc aacctcagca atgaagatga ggaggaggat gaagaagaac gtcacgaggg 420  
cacacttgct ctcatgttta ncaccatagc agcccaggaa accaagagca aagaccacaa 480  
cgccggctgc gatgaggaag tagccacgn tgacaaactg catggcactg gacgacagtg 540  
gcccgaagat cttcagaaaag gatgccccat cgattgacac ccagatgcc actgccaaca 600  
ggnctgcacc acacagaaaag atgagcaaat tgaagaggat catcatggt 649

<210> 926  
<211> 341  
<212> DNA  
<213> Homo sapien

<400> 926  
gggtcctcaa actctcgaat gtacggcgca atgccacaat aagggttgatt gtggtgtttt 60  
tcatgtggca gtttctccag ggggtggcagg tatggaatag ggtcacgggg ggcaaagagg 120  
gccagaagggt tgggcggcag gaactgggtc atcttgccaa gtcgcgtagc gccctcctcg 180  
ctctggcgct tgtccggagg ctgcggcgcg ctgcggcagc cctcagcaa caacaactcc 240  
tgcttcggct tccactccgg gggcgctccac gtccgtctga ttccgtcgcc cgctaagcga 300  
gcgcaccaga ccgctgctca gcgtcgacgc ggccgcgaat t 341

<210> 927  
<211> 431  
<212> DNA  
<213> Homo sapien

gctttctcct	tcttatagac	gttcgggacg	ggcatgaccg	gtccgggtcag	ctgggtggcc	60
agtttcagtt	cttcagcaga	actgtctccc	ttcttggggg	ccgagggctt	cctggggaag	120
aggatgagtt	tggagcggta	ctccttcagc	cgctgcacgt	tggcctgcag	ggactccgtg	180
gacttggtcc	gcctcctcgg	atccacagaa	atgccgatgg	tccggggccac	cttcttgtga	240
atgccggcca	ccctgagctc	ctccaggctg	aagccgcggc	cggcgcgcac	cttcgtgtgg	300
taccgaaccg	tggggcagcg	cacgatgggc	cggatgggac	ccgacgcggg	gcgcggggcg	360
atgcggcgcg	ccttggcttg	ccgggcctta	cgtctgcgga	tcttacgggc	cggctggttg	420

aaccacgtgg ccacgcgccg ctgccagtcc ttgtggaagt ggggcttcaa gaccatgcca 480  
 ttccggctgg gcgccatggc tgcctacggc cctgcggctc ctgcggtcga cgcggccgcg 540  
 aatt 544

<210> 931  
 <211> 596  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(596)  
 <223> n = A,T,C or G

<400> 931  
 gttgctgcag tggcttgggc gtcaggaggg tcaactgaggg ggccacatga ccccagccag 60  
 tgacagtgcg gtggaggccg ttggggaagg aggcgttggc tgcagggagg cagatggggc 120  
 ggatgtagcg ggagaagggt atgggtctgc tgagttggag gagtgcgaat tgcacctggg 180  
 agccctcctg gaggtagctg ggggtgggga tgatgtcctt caggggtgctg accttggcgt 240  
 cctcgagta ggagctagc tgggtgggcc ccagcttgac ctcataaggct tccttgtggt 300  
 gctcgctggg gaagcagtga gcagctgaca gcacccactg ctcagacacg agagagccac 360  
 cacacacatg gacgccttca taggtgatgc tgacctgcca gggccactga ccggcgactg 420  
 cactgctgcc acctgtgatg cgtgcttggg gggccacacc gcagggagct tctgcccctt 480  
 ccgtcctgt ccccgaccgg agtaatccaa gatagagcag aatggccaca gccccanct 540  
 gccagggccc caggaccccc ttctgggcca tggccaggga caagggcccc tggggc 596

<210> 932  
 <211> 153  
 <212> DNA  
 <213> Homo sapien

<400> 932  
 tctgtgctgg ggtctgggct ccgtggagag atgtgtaggg gtaatgagaa attgatcagc 60  
 aatgagagggt ggactctgag ccacctccct gacctgaat cattcaagcg aggagcagag 120  
 gagctcttga ctgggggacg gggatgtgag gat 153

<210> 933  
 <211> 112  
 <212> DNA  
 <213> Homo sapien

<400> 933  
 tcaaacttgc cattgttaaa agcagccaca ttttggacct gcagtttcct cagaaatagt 60  
 taggattctg tgtcgacgcg gccgcgaatt ccaccacact ggactagtgg at 112

<210> 934  
 <211> 74  
 <212> DNA  
 <213> Homo sapien

<400> 934  
 gtggccatcg agtccccatc ctggctcgcc acccgaaaac gccgctcgtc ccgaggtcga 60  
 cgcggccgcg aatt 74



```
<210> 940
<211> 97
<212> DNA
<213> Homo sapien
```

```
<210> 941
<211> 200
<212> DNA
<213> Homo sapien
```

```
<210> 942
<211> 209
<212> DNA
<213> Homo sapien
```

```
<210> 943
<211> 130
<212> DNA
<213> Homo sapien
```

```
<210> 944
<211> 563
<212> DNA
<213> Homo sapien
```

```

<400> 944
gacagtccca gtactctttg ctcagctttc ggggccggcc tcgtttccgc ttcccgtgct    60
tgggatcccc cttcttgcag tcacgaaaac catcgctggg gaagagcttg ccatcagtgg   120
gatccaggtc cacgtcactt ccaccggagt ctgaggagtg ggagctccga gaagcaccag   180

```

```
<210> 945
<211> 637
<212> DNA
<213> Homo sapien
```

<400>	945						
gctgagcccc	ttactgctcc	tcccaccaat	gggctccctc	acaccagga	caggactaag		60
agggagctgg	cggagaatgg	aggtgtcctg	cagctgggtg	gccagagga	gaagatgggc		120
ctcccgggct	cagactcaca	gaaagagctg	gcctgaccac	caggcacctc	actggcactg		180
ctgaccctac	ccagaaacac	aatctcaggg	acccgagcag	ctccaaggac	gagaggatac		240
agcagacaca	acctaataga	gagggcgcct	gcagccttaa	cctccacggc	cttcgatact		300
tatgcaagcc	tggtgttgct	cctgtccctca	gagtcatcct	gcgctcatgc	cttttcccga		360
atgggttcac	ctctggcagt	tgccgcttca	gtcttggcct	tagcctcatc	ttgaagtggg		420
tagctggcgg	gagaggggtg	ctgcgcccc	tgctggccct	gaggctgcag	agttgggagc		480
aggacacctc	acctgagitt	catttttttt	catgtccaaa	ccatgcacat	actatagtcc		540
agaatcaaa	cacttttgaa	aagtggctgc	atggccatcc	tccagggccc	aggaagttgc		600
attccaagg	cctgtttaca	tggcagcana	atccatc				637

```
<210> 946
<211> 306
<212> DNA
<213> Homo sapien
```

<400>	946						
ggcgcgggct	cctctcccct	cggctgcccg	gatgcggagc	aagcggctcc	cggggaagct		60
ggcgcgtcgg	ccggctaccg	cggcgagcac	ttaggaaggc	gcggggtggc	cagttcacag		120
ctgcccgcctc	caagtggggg	gaggcgaatt	ggagaggagg	aggaggggag	gaaaaagagc		180
aaaagtgggg	gcgcttgcac	cccttctctt	ctcctcctgc	aaagaaaagt	ttccgggggt		240
gaaactggcg	agtctccgcg	ccactgaagt	ttccagtcag	tttcgaggtc	gacgcggccg		300
cgaatt							306

```
<210> 947
<211> 71
<212> DNA
<213> Homo sapien
```

<400> 947  
ggtcacagagc tccaggttt ccaggttgca gtccctccag tcccagagct cccagggttt 60  
cggtttccag t 71

<210> 948



<211> 575  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(575)  
 <223> n = A,T,C or G

<400> 948  
 gcggccgccc tttttttttt tttttgtcag caaaaatctt ttttaataaga gagtaggatac 60  
 cagggttagt tttttagacc tcggctggcc cgtcggcctc tggcacgctc gaacttccgg 120  
 cccttgagc ggacgtaggg tttggtgtgg ctgtgcgggg ttcttggggc cttgccgaaa 180  
 tgccggtaca cctctcggcc cttgcgagga cggagagca ggacagtgc acagccctta 240  
 ggggagtcca gggccagctg gtcnaaagtg aggatcttgc cccctgccct gaggatgcgg 300  
 ctgcgggccc ggctggtcac gcgcagtga cataccttca gttnggtac ctctgaacc 360  
 cgcacatcat cagttatggc cccacaacc acggcgcgtc tgttttccc gccaggaagc 420  
 ttcattctcc ggatcatccg ggaaagggac agaggcggcc ggttggtgc actcataaac 480  
 aacctctca acacaacctg gttgaatgtg gagttggttc ttctggccag aaacctgtat 540  
 aacttgacca acagcctcag gtagatatcc tggct 575

<210> 949  
 <211> 294  
 <212> DNA  
 <213> Homo sapien

<400> 949  
 ggggtttcca cgtagccac aatgccaca accaccatgg gtggtgtctc tacaatggtc 60  
 acagctcca ccacctcctt ctgttcacc ttggatccg gcctgtcgac ttcccgacg 120  
 atgtgagtc tgccagcctt gtatcccagg aaggctgtga ggtggaccg cttggacggg 180  
 tcatccttag ggaagctctt caccttccca cgatgcctgc tgctgcgctt ccgaggcagg 240  
 aagccgaggg acccatgtct gggagcggag aactttctgt gagacatcac gcca 294

<210> 950  
 <211> 693  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(693)  
 <223> n = A,T,C or G

<400> 950  
 ggcccccaat tccagctgcc acaccacca cgggtgactgc attagtctcg atgtcataca 60  
 aaagctgatt gaagcaacct tctacttttt ggtcgtgagc cttttgcttg gtgcaggttt 120  
 cattggctgt gttggtgacg ttgtcattgc aacagaatgg gggaaaggca ctgttctctt 180  
 tgaagtaggg tgagtcctca aaatccgtat agttggtgaa gccacagcac ttgagccctt 240  
 tcatggtggt gttccacact tgagtgaagt ctctctggga accataatct ttcttgatgg 300  
 caggcactac cagcaacgtc aggaagtgt cagccattgt ggtgtacacc aaggcgacca 360  
 cagcagctgc aacctcagca atgaagatga ggaggaggat gaagaagaac gtcacgaggg 420  
 cacacttgct ctcatctta gcaccatagc agcccaggaa accaagagca aagaccacaa 480  
 cgccggctgc gatgaggaag tagccacgt tgacaaactg catggcactg gacgacagtg 540  
 gcccgaagat cttcanaaag gatgccccat cgattgacac ccagatgccc actgccaaaca 600

gggctgcacc acacagaaaag atgagcaaat tgaagaggat catcatgggc ttaatgaagc 660  
tgaagcactg catggnggct cctgttcagg gct 693

<210> 951  
<211> 607  
<212> DNA  
<213> Homo sapien

<400> 951  
gtggcctgca aggccgcgga cagggcgagc accgagtcgt acattttgca gctcatcatc 60  
cccgtgctct gcgtgacgca gtccatccac agccccttgt acatggcctg ggccgtgatg 120  
atgttgctac ccgcatagga gctcatctgc cactgcggga tggcggtgca ggccaccaga 180  
cccacccagc ccagcagggc catggagaag ccagcaact gcaggcccgga attggccatt 240  
tccgcctca gaaaacactg ggggcgcggg gcgggagacc ctacagtaaa acaaacgaca 300  
cttggggggc agccccacaa aagaaaactt gaggtggagt tttccggtca ccaaagaga 360  
caaaaagggt ttgggccagg tgaatgcaa tcttgctacc aaactacaca caaatcgacc 420  
cctccagtga agcgatggcc tcgcggcaca gggagtagga tacgccggga ggggtggttc 480  
agacaaaatt ggtggtcccc gaaggccagg cggttccctc cgggcgctct cggcgaccct 540  
aggcaaaca aaggtggagg ggccgtctgg gcgcgtttct gagcgccggc aagtcccaa 600  
gtatcct 607

<210> 952  
<211> 372  
<212> DNA  
<213> Homo sapien

<400> 952  
ggatgaggtc aaccogaagg ggtttcttga gaagcagtga cttcttctgg actttgggtc 60  
tcttctttgt cagccctttt tcttgggagc cagtgtccac gaagaagagt ttttcatttg 120  
gggcctctga caacaagcca ccgctcgtgc gctcctgtag ccgcacgtct tccaggaact 180  
ggtcaacctc cagccccagc ggctcctgag caagccgcgc ccagccccgc ttcttatttc 240  
ttgggcctcg ccgcgcgcgc ctccagcgtg ggtccaccga agtgggcgc agccccagga 300  
aaccagaatc ggcacgctt ttcgagctgc gcttccacc aacgccactg cctgtcgacg 360  
cggccgcgaa tt 372

<210> 953  
<211> 275  
<212> DNA  
<213> Homo sapien

<400> 953  
gccatctgct gttttttctc agcaccttcc gtcttttggt caatacttga gacgaccctc 60  
caagatgacc tacgggctcc tacaacattt ttataagcaa ctgagagaag attcctctcc 120  
tcattggata attcagctcc ttgctcagtt acagacttca tgcaggctgc catgtcatca 180  
tatcgctcag cctgctcggc cagtttggcc ttctgaacca gtcattttt atccatgact 240  
ggatgttctg tgtccggctg acgcggccgc gaatt 275

<210> 954  
<211> 189  
<212> DNA  
<213> Homo sapien

<400> 954  
ggctcccact tccctgcttc gatggagaag gcgaggtggt ccagcaggtg ccgtaggtcc 60

ctgacccagc tgaccaccac cctgggccag cttctgacag tcccacctcc cagttgctgg 120  
 aggggtagtg gcctcacaga cggccctcct ctagatgcag tgggcccaaga gtcgacgcgg 180  
 ccgcgaatt 189

<210> 955  
 <211> 189  
 <212> DNA  
 <213> Homo sapien

<400> 955  
 gaggcggaga ggatcatgtc cgggaactgc ggggtagtag cgatctgggt taccagccg 60  
 ttgtggccct tgaggggtgcc acgaagggtc atctgctcag tcatggcggc ggcgagagcg 120  
 tgtgtcgctg cagcgacgag gatggcactg gatggcttag agaaactagc gtcgacgcgg 180  
 ccgcgaatt 189

<210> 956  
 <211> 216  
 <212> DNA  
 <213> Homo sapien

<400> 956  
 gcggccgcac gtgtaggcaa agaagcctgt gtccggcctc cagaccatgt tggcccgccc 60  
 attcccgtg taaccgacga cagccttcag acgcagccac ccaccgctgg cgggaggcgg 120  
 gcaagtgcc ttggcagagt gggggctgca gctgacctg gcaggcgtga aggccttgca 180  
 ggaagccagg taggtggtgc gtggggcccc cgaatt 216

<210> 957  
 <211> 62  
 <212> DNA  
 <213> Homo sapien

<400> 957  
 ccagtgggag gctcccaccc tggtagatga acagcccctg gagaactacc tggatatgga 60  
 gt 62

<210> 958  
 <211> 199  
 <212> DNA  
 <213> Homo sapien

<400> 958  
 ggattcggtc atattggaat tgctgttctt gatgtataca gtgcttgtaa aaggtttgaa 60  
 gaactgggag tcaaatttgt gaagaaacct gatgatggtg aaatgaaagg cctggcattt 120  
 attcaagatc ctgatggcta ctggattgaa attttgaatc ctaacaaaat ggcaacctta 180  
 atgtagtgtc gtgagaatt 199

<210> 959  
 <211> 212  
 <212> DNA  
 <213> Homo sapien

<400> 959  
 gaggcggaga ggatcatgtc cgggaactgc ggggtagtag cgatctgggt taccagccg 60  
 ttgtggccct tgaggggtgcc acgaagggtc atctgctcag tcatggcggc ggcgagagcg 120

```
<210> 960
<211> 177
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(177)
<223> n = A,T,C or G
```

```
<400> 960
gacattttat gacctctccc aataggggca gaggtgagca cccctggtga aaagttaaga      60
ctcagtgagt ataaatacnc caagaagagc tgtggcttct ttcactgggtg tcctcagaaa    120
ggctgtgagc agtgttggtg qcatacctgt cacagcatct agcaaagcac ctgaatt      177
```

```
<210> 961
<211> 490
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(490)
<223> n = A,T,C or G
```

<400> 961						
gggcgtcctg	gtgcttacca	cctggaaact	ggtgaggtgg	tgggagaact	cctggtggac	60
cctagtggaa	gccttcagt	aatttcctga	agctgagcgc	tcaggtgagt	agggcgacat	120
ctggtggccg	gttggtgaag	gtcattgcag	agaggaagga	agccgaggag	gggagcctgc	180
agtgaggcgc	tcctggggtt	ctncggttct	caccaccctt	gggccacgcc	gtctagtcca	240
cacctgagga	gttggtcagg	tagaaggggc	ggatgaccgt	gcggaagccg	ttgaantgcc	300
ctgccgggca	ggggaaggag	gaggtgctct	tcgagctgtt	ggtgtccagg	gcactgggaa	360
tcgcagcctt	ccagccctcg	aaatcggtga	cgtctgccac	gaagagccct	tcgcagagca	420
tcagggtttt	gttttcgtag	gcaatggtgc	gatctgagcc	gccagacttg	gtgaggcca	480
qqacagggag						490

```
<210> 962
<211> 159
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G
```

<400> 962						
gggtcggccc	gggtggttgc	ggccacagcg	cagcggcgga	gagcggcgcc	cancatgacg	60
gcgatggcgg	cgcgcgggcn	gnggacagan	agaagccggt	gtaagctcgc	gggttgctcc	120
qqagcgggcg	qgggccggac	qtcgacgcgg	ccgcgaatt			159

<210> 963  
 <211> 217  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(217)  
 <223> n = A,T,C or G

<400> 963  
 gggtagagaa ccctgcggct gcgctttcgg tgcccgcgag aggcgctggg gcgcccggca 60  
 ggggccgctg cgggctccnn gagagggtcg aaggtgaaga tctcaggacc ggagccccgc 120  
 cgggggtcccg ggatggtgga gggggccggg gtcggggcct gcaggatggt catggtcggg 180  
 tggcagctgc gagagtgaca catggtgagc cgagcgt 217

<210> 964  
 <211> 540  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(540)  
 <223> n = A,T,C or G

<400> 964  
 gtggcctgca aggccgcgga cagggcgagc accgagtcgt acattttgca gctcatcatc 60  
 cccgtgctct gcgtgacgca gtccatccac agccccttgt acatggcctg ggccgtgatg 120  
 atgttgtcac ccgcatagga gctcatctgc cactgcggga tggcggtgca ggccaccaga 180  
 cccaccacgc ccagcagggc catggagaag cccagcaact gcaggcccga attggccatt 240  
 tccgccctca gaaaacactg ggggcgcggg gcgggagacc ctacagtaaa acaaacgaca 300  
 cttggggggc agccccacaa aagaaaactt gaggtggagt tttccggtca cccaaagaga 360  
 caaaaagggt ttgggccagg tgaatgcaaa tcttgtcacc aaactacaca caaatcgacc 420  
 cctccagtga agcgatggc tgcgggcaca gggagtagga tacgccggga ggggtggtcc 480  
 aganaaaatt ggtggtcccc gaaggccagc cggttccctc cgggcgctct cggcgaccct 540

<210> 965  
 <211> 321  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(321)  
 <223> n = A,T,C or G

<400> 965  
 gccacagtg gcttgtttcc gcagtgcgcg gccgtcagca cccaactctg gtccaccagg 60  
 acaccgcgc agtggaacga gaggccgttg aagagcgaga cctgccaggg ctgcgagccg 120  
 cgcgcgcacg gggcgccata ggcttcgggg tccaagcgcg tgctgttttg ggggagcagc 180  
 gccgcctctg cggcccagag ttgcgccatc agcagcgga gcagcttcgc cagagcccgg 240  
 gcgccagagg cggcggagag gtggagggtc ggagctctca tggccaggat ctgggagtn 300  
 ccgatangaa ggaggagg g 321

<210> 966  
 <211> 642  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(642)  
 <223> n = A,T,C or G

<400> 966  
 ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gccagaggg 60  
 cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa 120  
 gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt 180  
 ctgcaacatg gagactggtg agacctgcgt gtaccccaact cagcccagtg tggccanana 240  
 gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat 300  
 gaccgatgga ttccagttcg agtatggcgg ccagggtctcc gacctgccg atgtggccat 360  
 ccagctgacc ttctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg 420  
 caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct 480  
 ccagggtctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt 540  
 cactgtcgat ggctgcacga gtcacaccgg agcctggggc aagacagtga ttgaatacaa 600  
 aaccaccaag acctcccgcc tgcccatcat cgatgtggcc cc 642

<210> 967  
 <211> 650  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(650)  
 <223> n = A,T,C or G

<400> 967  
 ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gccagaggg 60  
 cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa 120  
 gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt 180  
 ctgcaacatg gagactggtg agacctgcgt gtaccccaact cagcccagtg tggcccagaa 240  
 gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat 300  
 gaccgatgga ttccagttcg agtatggcgg ccagggtctcc gacctgccg atgtggccat 360  
 ccagctgacc ttctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg 420  
 caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct 480  
 ccagggtctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt 540  
 cactgtcgat ggctgcacga gtcacaccgg nagcctgggg caagacagtg attgaatata 600  
 aaaccaccaa gaccttccgc ctgcccatac tcgatgtggc ccccttgagc 650

<210> 968  
 <211> 629  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

09164931.1.032300

<222> (1)...(629)

<223> n = A,T,C or G

<400> 968

```

ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gcccagaggg      60
cagccgcaag aaccccgcc gcacctgccg tgacctcaag atgtgccact ctgactggaa      120
gagtggagag tactggattg accccaacca aggtgcaac ctggatgcca tcaaagtctt      180
ctgcaacatg gagactggtg agacctgcgt gtacccact cagccagtg tggcccagaa      240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat      300
gaccgatgga ttccagttcg agtatggcgg ccagggctcc gacctgccg atgtggccat      360
ccagctgacc ttctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg      420
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct      480
ccagggctcc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt      540
cactgtcgat ggctgcacga gtcacaccgg naggctgggg caagacagtg attgaataca      600
aaaccaccaa gacctcccgc ctgcccac      629

```

<210> 969

<211> 222

<212> DNA

<213> Homo sapien

<400> 969

```

gaatgtcagg ggtgttgggg gctttggctg ggtcctgggt ctctgtgtag agacctggag      60
gcgcttggtt cttgggggtt tccaggattc cagcctcgta gctgatgtgc atgaggttct      120
catccatgct ccacgggttc ttgggagtgga ccgggatggg aatcccgtgt tgctttgcgt      180
actccatcag gtcattgcgg cccttgaacc ggttgtagaa tt      222

```

<210> 970

<211> 79

<212> DNA

<213> Homo sapien

<400> 970

```

gcagggggccg cctggccttg ctccgctcca cgaggaggcc gccaaaccgca gggccgcgac      60
acggacggga agcaacgga      79

```

<210> 971

<211> 111

<212> DNA

<213> Homo sapien

<400> 971

```

ggaaaatgca tctacccac ccaaccagca gcctcacttt aggtgcctt gtcccgggcg      60
ccccattcgt cagccccacg cctcctccag gatccggggc cagctogaat t      111

```

<210> 972

<211> 609

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(609)

<223> n = A,T,C or G

0964931.1 "032300

&lt;400&gt; 972

```

ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gcccagaggg      60
cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa      120
gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt      180
ctgcaacatg gagactgggtg agacctgcgt gtacccact cagcccagtg tggcccagaa      240
gaactggtac atcagcaaga accccaagga caagaggcat gtctggttcg gcgagagcat      300
gaccgatgga ttccagttcg agtatggcgg ccagggtctc gacctgccg atgtggccat      360
ccagctgacc ttctgcgcc tgatgtccac cgaggcctcc cagaacatca cctaccactg      420
caagaacagc gtggcctaca tggaccagca gactggcaac ctcaagaagg ccctgctcct      480
ccagggtctc aacgagatcg agatccgcgc cgagggcaac agccgcttca cctacagcgt      540
cactgtcgat ggctgcacga gtcacaccgg naggctgggg caagacagtg attgaataca      600
aaaccacca                                     609

```

&lt;210&gt; 973

&lt;211&gt; 311

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 973

```

gggggtttcca cgtagcccac aatgcccaca accaccatgg gtggtgtctc tacaatggtc      60
acagcctcca ccacctcctt cttgttcacc ttggatcccg gcctgtcgac ttccgcacg      120
atgtgagtca tgccagcctt gtatcccagg aaggctgtga ggtggaccgg cttggacggg      180
tcatccttag ggaagctctt caccttccca cgatgcctgc tgetgcgctt ccgaggcagg      240
aagccgaggg acccatgtct gggagcggag aactttctgt gagacatcac gcgtcgacgc      300
ggccgcgaat t                                     311

```

&lt;210&gt; 974

&lt;211&gt; 180

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(180)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 974

```

gagggcgaga ggatcatgtc cgggaaactgc ggggtagtag cgatctgggt taccagccg      60
ttgtggccct tgagggtgcc acgaagggtc atctgtcag tcatggcggc ggcagagcg      120
tgtgtcnctg cancgacnag gatggcactg gatggcttag anaaactagc accacgtcga      180

```

&lt;210&gt; 975

&lt;211&gt; 187

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 975

```

gcaccagccc cggggactat gtgctcagcg tctcagagaa ctgcgcgctc tcccactaca      60
tcatcaacag cagcggcccg cgcccgcggg tgccaccgtc gcccgccag cctccgcccg      120
gggtgagccc ctccagactc cgaataggag atcaagagtt tgattcattg cctgctttac      180
tggaatt                                     187

```

&lt;210&gt; 976



<211> 59  
 <212> DNA  
 <213> Homo sapien

<400> 976  
 ctggttccgc tgcattggacc tggacgggga cggcgccctg tccatgttcg agctcgagt 59

<210> 977  
 <211> 66  
 <212> DNA  
 <213> Homo sapien

<400> 977  
 ggtccagagc tcccagggtt ccagggttga gtccctccag tcccagagct cccagggttt 60  
 cggttt 66

<210> 978  
 <211> 114  
 <212> DNA  
 <213> Homo sapien

<400> 978  
 ggagctgatg cgggaaccgg gccactcgt gtaggagcgg ctgctgaagg cccggggggcc 60  
 agaggtggac accttgtagg acttctgggt caccctgcga cgcgcccgcg aatt 114

<210> 979  
 <211> 177  
 <212> DNA  
 <213> Homo sapien

<400> 979  
 gacattttat gacctctccc aataggggca gaggtgagca cccctggtga aaagttaaga 60  
 ctcagtgaat ataaatacgc caagaagagc tgtggcttct ttactggtg tcctcagaaa 120  
 ggctgtgagc agtggttggt gcatacctgt cacagcatct agcaaagcac ctgaatt 177

<210> 980  
 <211> 188  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(188)  
 <223> n = A,T,C or G

<400> 980  
 ggagctgatg cgggaaccgg gccactcgt gtaggagcgg ntgctgaagg cccggggggcc 60  
 agaggtggac accttgtagg acttctgggt caccctgatg gacatggtag aggctggagt 120  
 ggaggcaggc gggccgaacc aggcggagat cctagaagga gcggagaagg tcgacgcggc 180  
 cgcggaatt 188

<210> 981  
 <211> 184  
 <212> DNA

09649811-032000



```
<210> 985
<211> 461
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(461)
<223> n = A,T,C or G
```

<400>	985						
ggtggacacc	accctcaaga	gcctgagcca	gcagatcgag	aacatccgga	gccagagggg		60
cagccgcaag	aaccccgccc	gcacctgccg	tgacctcaag	atgtgccact	ctgactggaa		120
gagtggagag	tactggattg	acccaacca	aggctgcaac	ctggatgcc	tcaaagtctt		180
ctgcaacatg	gagactggtg	agacctgcgt	gtacccact	cagcccagtg	tggccanaa		240
gaactggtac	atcancaaga	acccaagga	caagaggcat	gtctggttcg	gcgagagcat		300
gaccgatgga	ttccagttcg	agtatggcgg	ccagggctcc	gacctgccg	atgtggccat		360
ccagctgacc	ttcctgcgcc	tgatgtccac	cgaggcctcc	canaacatca	cctaccactg		420
caagaacagc	gtggcctaca	tggaccanca	nactggcaac	c			461

```
<210> 986
<211> 138
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(138)  
<223> n = A,T,C or G
```

<400> 986  
gagcggtctgc tgaaggcccg ggggccagag gtggacacct tgtangactt ctgggtcacc 60  
ctgatggaca tggtagaggc aggagtggag gcaggcgggc cgaaccaggc ggagatccta 120  
gaaggagcgg aggtcgnc 138

```
<210> 987
<211> 555
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(555)  
<223> n = A,T,C or G
```

<400> 987							
gcgggccgccc	tttttttttt	tttttttttag	tggtataact	atattttattg	tgcctgagag	60	
gcaaggtgag	ggaaaaaatct	caacagaagc	aagtttgggg	aaaatctgga	gtccccagta	120	
aaaagcagga	aggtctctgc	tgtactcatc	acagaatggg	agagagggct	ctcaatagat	180	
cattcccttt	gtttctcccc	tgggcttctt	gagcttctcg	aagttcttca	ggatgatgtc	240	
atataacaca	gcataagcat	tgcggatctc	catgaccatc	agccggatgt	cccgggtactc	300	

tgcctcatcc agctcgtgca ccagctgccg ataatcaccc acatggggct gcttggctgc 360  
 tttagtcaact gcatcaccac gctcagagaa atacttagag atttgagtgt ggaagccttc 420  
 tancttgggtg tggaggctgg tcatcagctc aaacaccttc tcctggacag ccactccaaa 480  
 attgttacca tcctcaatcc gaggtatctg cagctgcaac caggtggtga ccaggttgag 540  
 ctgctcaatg acatc 555

<210> 988

<211> 318

<212> DNA

<213> Homo sapien

<400> 988

gacggcgcg ggcacctacg aacagctttg aggaagcccc gacagtggcg gcgtccagtg 60  
 cctccgaggg cggcgaccgc ggctccgcag cctctcccag ccgctccgcc cggttccggg 120  
 gagtccgtcg ggacaaaatg gcctcccctc cccctcagg gcttctcggc cgggacgctc 180  
 ccacgggcga gcaagcctgc tctgccgtcg aggaggcgca gcgggcgtga ggacagtctc 240  
 tctcccagc ggaaactccc tgctagcacg cggcgagggc agcgaagaag gacccctaag 300  
 tcgacgagct cagttaca 318

<210> 989

<211> 177

<212> DNA

<213> Homo sapien

<400> 989

gacattttat gacctctccc aataggggca gaggtgagca cccctggtga aaagttaaga 60  
 ctcaagtgaat ataaatacgc caagaagagc tgtggcttct ttcactggtg tcctcagaaa 120  
 ggctgtgagc agtggttggtg gcatacctgt cacagcatct agcaaagcac ctgaatt 177

<210> 990

<211> 144

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(144)

<223> n = A,T,C or G

<400> 990

gtgagcaccc ntggtgaaaa gttaagactc agtgagtata aatacgccaa gaagagctgt 60  
 ggcttctttc actggtgtcc tcagaaaggc tgtgagcagt gttggtggca tacctgtcac 120  
 agcatctagc aaagcacctg aatt 144

<210> 991

<211> 659

<212> DNA

<213> Homo sapien

<400> 991

ggtggacacc accctcaaga gcctgagcca gcagatcgag aacatccgga gccagaggg 60  
 cagccgcaag aaccccgccc gcacctgccg tgacctcaag atgtgccact ctgactggaa 120  
 gagtggagag tactggattg accccaacca aggctgcaac ctggatgcca tcaaagtctt 180  
 ctgcaacatg gagactgggtg agacctgcgt gtacccact cagcccagtg tggcccagaa 240

gaactggtac	atcagcaaga	accccaagga	caagaggcat	gtctggttcg	gcgagagcat	300
gaccgatgga	ttccagttcg	agtatggcgg	ccagggctcc	gaccctgccg	atgtggccat	360
ccagctgacc	ttcctgcgcc	tgatgtccac	cgaggcctcc	cagaacatca	cctaccactg	420
caagaacagc	gtggcctaca	tggaccagca	gactggcaac	ctcaagaagg	ccctgctcct	480
ccagggctcc	aacgagatcg	agatccgcgc	cgagggcaac	agccgcttca	cctacagcgt	540
cactgtcgat	ggctgcacga	gtcacaccgg	agcctggggc	aagacagtga	ttgaatacaa	600
aaccaccaag	acctcccgcc	tgcccatcat	cgatgtggcc	cccttggacg	ttggtgccc	659

&lt;210&gt; 992

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 992

tccgctgcac	tgggtttgcc	ggattcttgg	gcttcccaca	tactgcttca	cattcaggaa	60
gtttatctcc	aacagcctta	tttatccact	gcttcttata	atttaagggtg	tatactccat	120
ctccttctgt	gcgcagtttg	tagtagttct	tacactggta	gcgaaccgag	tgctccacat	180
agccatgtgc	aatctcgggg	ggcttcgggc	agccgtcatc	tgcgat		226

&lt;210&gt; 993

&lt;211&gt; 160

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(160)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 993

ctcgtgttng	agcgnetgct	gaaggcccgg	gggccaanagg	nggacacctt	gtacgacttc	60
tgggtcaccc	tgatggacat	ggtanangct	ggagtggagg	caggcggggc	gaaccaggcg	120
gagatcctag	aaggagcgga	ggtcgacgcg	gccgcgaatt			160

&lt;210&gt; 994

&lt;211&gt; 622

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)...(622)

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 994

nagcctganc	cagcagatcg	agaacatccg	gagcccagag	ggcagccgca	agaacccccgc	60
ccgcacctgc	cgtgacctca	agatgtgccca	ctctgactgg	aagagtggag	agtactggat	120
tgaccccaac	caaggctgca	acctggatgc	catcaaagtc	ttctgcaaca	tggagactgg	180
tgagacctgc	gtgtacccca	ctcagcccag	tgtggcccag	aagaactggg	acatcagcaa	240
gaaccccaag	gacaagaggc	atgtctgggt	cggcgagagc	atgaccgatg	gattccagtt	300
cgagtatggc	ggccagggct	ccgaccctgc	cgatgtggcc	atccagctga	ccttcctgcg	360
cctgatgtcc	accgaggcct	cccagaacat	cacctaccac	tgcaagaaca	gcgtggccta	420
catggaccag	cagactggca	acctcaagaa	ggccctgctc	ctccagggct	ccaacgagat	480
cgagatccgc	gccgagggca	acagccgctt	cacctacagc	gtcactgtcg	atggctgcac	540

gagtcacacc ggagcctggg gcaagacagt gattgaatac aaaaccacca agacctcccg 600  
cctgcccâtc atcgatgtgg cc 622

<210> 995  
<211> 158  
<212> DNA  
<213> Homo sapien

<400> 995  
aataagattt tgccagaggg gaaggctcga ttgtgctgtt aataacttaa taatgacaaa 60  
ataatgaggt gtatatgctt tacatgcaat gttatatagt gaattgttct gattcttaat 120  
tgtaagtctg gtttttttat ctgtaagata attgtgtg 158

<210> 996  
<211> 295  
<212> DNA  
<213> Homo sapien

<400> 996  
cgcccgctc gactctcggg gcggagacgg caaatggcgg acttcgacac ctacgacgat 60  
cgggcctaca gcagcttcgg cggcggcaga gggccccgg gcagtgtctg tggccatggt 120  
tcccgtagcc agaaggagtt gccacagag cccccctaca cagcatatcgt aggaaatcta 180  
cctttcaata cggttcaggg cgacatagat gctatcttta aggatctcag cataaggagt 240  
gtacggctag tcagagacaa agacacagat aaatttaaag gattctgcta tgtag 295

<210> 997  
<211> 125  
<212> DNA  
<213> Homo sapien

<400> 997  
cgcccgccct tttttttttt ttttttaagg ttttttggt gtaagtttat tcaatgcaaa 60  
agaatcctct ccaattttac tgaggtgggt gaccacgtcc acgaccaaata ccgcctctaa 120  
actgg 125

<210> 998  
<211> 152  
<212> DNA  
<213> Homo sapien

<400> 998  
gagctgatgc gggaaccggg cccactcgtg taggagcggc tgctgaaggc ccgggggcca 60  
gaggtggaca cctttagtaga cttctgggtc accctgatgg acatggtaga ggctggagtg 120  
gaggcaggcg ggccgaacca ggcggagatc ct 152

<210> 999  
<211> 119  
<212> DNA  
<213> Homo sapien

<220>  
<221> misc\_feature  
<222> (1)...(119)  
<223> n = A,T,C or G

<400> 999  
 taaagcaacc actaaaccac ctncagcang agaaagcagc agagagctct tcanacagct 60  
 cagactctga cagctnngag gatgatgaag ctcccttctaa gccagctggt accaccaag 119

<210> 1000  
 <211> 209  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (1)...(209)  
 <223> n = A,T,C or G

<400> 1000  
 ccctcnnag gcgagagagga tcatgtccgg gaactgcggg gtagtagcga tctgggttac 60  
 ccagccgttg tggcccttga ggggtgccacg aagggtcatc tgctcagtc tggcggcggc 120  
 gagagcgtgt gtcgctgcag cgacgaggat ggcactggat ggcttagaga aactagcacc 180  
 acaacctctc ctgcgtcgac gcggccgcg 209

<210> 1001  
 <211> 390  
 <212> DNA  
 <213> Homo sapien

<400> 1001  
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60  
 agccgcaaga accccgcccg cacctgccgt gacctcaaga tgtgccactc tgactggaag 120  
 agtggagagt actggattga cccaaccaa ggctgcaacc tggatgccat caaagtcttc 180  
 tgcaacatgg agactgggtga gacctgcgtg taccctactc agcccagtgt ggcccagaag 240  
 aactgggtaca tcagcaagaa cccaaggac aagaggcatg tctgggttcgg cgagagcatg 300  
 accgatggat tccagttcga gtatggcggc cagggtccg accctgccga tgtggccatc 360  
 cagctgacct tcctgcgcct gatgtccacc 390

<210> 1002  
 <211> 613  
 <212> DNA  
 <213> Homo sapien

<400> 1002  
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60  
 agccgcaaga accccgcccg cacctgccgt gacctcaaga tgtgccactc tgactggaag 120  
 agtggagagt actggattga cccaaccaa ggctgcaacc tggatgccat caaagtcttc 180  
 tgcaacatgg agactgggtga gacctgcgtg taccctactc agcccagtgt ggcccagaag 240  
 aactgggtaca tcagcaagaa cccaaggac aagaggcatg tctgggttcgg cgagagcatg 300  
 accgatggat tccagttcga gtatggcggc cagggtccg accctgccga tgtggccatc 360  
 cagctgacct tcctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc 420  
 aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc 480  
 cagggtcca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc 540  
 actgtcgatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa 600  
 accaccaaga cct 613

<210> 1003

<223> n = A, T, C or G





```
<210> 1010
<211> 169
<212> DNA
<213> Homo sapien
```

```
<210> 1011
<211> 170
<212> DNA
<213> Homo sapien
```

```
<400> 1011
gagctgatgc gggaaccggg cccactcgtg taggagcggc tgctgaaggc ccggggggcca      60
gagggtggaca ccttgtanna cttctgggtc accctgatgg acatggtaga ggctggagtg      120
gaggcaggcg ggccgaacca ggcgagatc ctagaaggag cggaggtcga      170
```

```
<210> 1012
<211> 344
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(344)  
<223> n = A,T,C or G
```

```
<210> 1013
<211> 157
<212> DNA
<213> Homo sapien
```

<223> n = A, T, C or G

atagaacccc	gcccgcacct	nncgtgacct	caagatgtgc	cactctgact	ggaagagtgg	60
agagtactgg	attgaccca	accaaggctg	caacctggat	gccatcaaag	tcttctgcaa	120
catggaact	ggtgannct	gcgtgtaccc	cactcag			157

<213> Homo sapien

gtggacacca	ccctcaagag	cctgagccag	cagatcgaga	acatccggag	cccagagggc	60
agccgcaaga	accccgcccg	cacctgccgt	gacctcaaga	tgtgccactc	tgactggaag	120
agtggagagt	actggattga	ccccaaccaa	ggctgcaacc	tggatgccat	caaagtcttc	180
tgcaacatgg	agactggtga	gacctgcggt	tacccactc	agcccagtgt	ggcccagaag	240
aactggtaca	tcagcaagaa	cccaaaggac	aagaggcatg	tctggttcgg	cgagagcatg	300
accgatggat	tccagttcga	gtatggcggc	cagggctccg	accctgccga	tgtggccatc	360
cagctgacct	tcttgcgcct	gatgtccacc	gaggcctccc	agaacatcac	ctaccactgc	420
aagaacagcg	tggcctacat	ggaccagcag	actggcaacc	tcaagaaggc	cctgctcctc	480
cagggctcca	acgagatcga	gatccgcgcc	gagggcaaca	gccgcttcac	ctacagcgtc	540
actgtcgatg	gctgcacgag	tcacaccgga	gcctggggca	agacagtgat	tgaatacaaa	600
accaccaaga	cctcccgcct	g				621

<213> Homo sapien

<223> n = A, T, C or G

gtgacacca cctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60  
agccgcaaga accccgcccc caccctgccgt nctcnagatg tgcc 104

<213> Homo sapien

```
gctgaccagc cgaaaagagg agctgcccat gaaggggggc accctgggcg ggatccctgg      60
ggagcccgcc gtggaccacc gagatgtgga tgagctgctg g                101
```

<213> Homo sapien

&lt;400&gt; 1017

acattttatg	acctctccca	ataggggcag	agggtgagcac	ccctggtgaa	aagttaagac	60
tcagtgahta	taaatacgcc	aagaagagct	gtggcttctt	tactggtgt	cctcagaaag	120
gctgtgagca	gtgttggtgg	catacctgtc	acagcatcta	gcaaagcacc	tg	172

&lt;210&gt; 1018

&lt;211&gt; 637

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1018

gtggacacca	ccctcaagag	cctgagccag	cagatcgaga	acatccggag	cccagagggc	60
agccgcaaga	accccgcccg	cacctgccgt	gacctcaaga	tgtgccactc	tgactggaag	120
agtggagagt	actggattga	ccccaaccaa	ggctgcaacc	tgatgccat	caaagtcttc	180
tgaacatgg	agactggtga	gacctgcgtg	tacccactc	agcccagtg	ggcccagaag	240
aactggtaca	tcagcaagaa	ccccaaggac	aagaggcatg	tctggttcgg	cgagagcatg	300
accgatggat	tccagttcga	gtatggcggc	cagggctccg	accctgccga	tgtggccatc	360
cagctgacct	tcctgcgcct	gatgtccacc	gaggcctccc	agaacatcac	ctaccactgc	420
aagaacagcg	tggcctacat	ggaccagcag	actggcaacc	tcaagaaggc	cctgctcctc	480
cagggctcca	acgagatcga	gatccgcgcc	gagggcaaca	gccgcttcac	ctacagcgtc	540
actgtcgatg	gctgcacgag	tcacaccgga	gcctggggca	agacagtgat	tgaatacaaa	600
accaccaaga	cctcccgct	gccatcatc	gatgtgg			637

&lt;210&gt; 1019

&lt;211&gt; 623

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1019

gtggacacca	ccctcaagag	cctgagccag	cagatcgaga	acatccggag	cccagagggc	60
agccgcaaga	accccgcccg	cacctgccgt	gacctcaaga	tgtgccactc	tgactggaag	120
agtggagagt	actggattga	ccccaaccaa	ggctgcaacc	tgatgccat	caaagtcttc	180
tgaacatgg	agactggtga	gacctgcgtg	tacccactc	agcccagtg	ggcccagaag	240
aactggtaca	tcagcaagaa	ccccaaggac	aagaggcatg	tctggttcgg	cgagagcatg	300
accgatggat	tccagttcga	gtatggcggc	cagggctccg	accctgccga	tgtggccatc	360
cagctgacct	tcctgcgcct	gatgtccacc	gaggcctccc	agaacatcac	ctaccactgc	420
aagaacagcg	tggcctacat	ggaccagcag	actggcaacc	tcaagaaggc	cctgctcctc	480
cagggctcca	acgagatcga	gatccgcgcc	gagggcaaca	gccgcttcac	ctacagcgtc	540
actgtcgatg	gctgcacgag	tcacaccgga	gcctggggca	agacagtgat	tgaatacaaa	600
accaccaaga	cctcccgct	gcc				623

&lt;210&gt; 1020

&lt;211&gt; 233

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 1020

ggtagagaac	cctgcggctg	cgctttcggt	gcccgcgaga	ggcgtgggg	cgcccggcag	60
gggccgctgc	gggctccggg	agagggctga	aggatgaagat	ctcaggaccg	gagccccgcc	120
ggggctcccg	gatggtggag	ggggccgggg	tcggggcctg	caggatggtc	atggtcgggt	180
ggcagctgcg	agagtgcac	atggtgagcc	gagcggagg	cgacgcggcc	gcg	233

&lt;210&gt; 1021

<211> 180  
 <212> DNA  
 <213> Homo sapien

<400> 1021  
 gagctgatgc gggaaccggg cccactcgtg taggagcggc tgctgaaggc ccggggggcca 60  
 gaggtggaca ccttgttagga cttctgggtc accctgatgg acatggtaga ggcaggagtg 120  
 gaggcaggcg ggccgaacca ggcggagatc ctagaaggag cggaggtcga cgcggccgcg 180

<210> 1022  
 <211> 636  
 <212> DNA  
 <213> Homo sapien

<400> 1022  
 gtggacacca ccctcaagag cctgagccag cagatcgaga acatccggag cccagagggc 60  
 agccgcaaga accccgcccc cacctgccgt gacctcaaga tgtgccactc tgactggaag 120  
 agtggagagt actggattga ccccaaccaa ggctgcaacc tggatgccat caaagtcttc 180  
 tgcaacatgg agactggtga gacctgcgtg taccctactc agcccagtgt ggcccagaag 240  
 aactggtaca tcagcaagaa cccaaggac aagaggcatg tctggttcgg cgagagcatg 300  
 accgatggat tccagttcga gtatggcggc cagggtctcc accctgccga tgtggccatc 360  
 cagctgacct tcctgcgcct gatgtccacc gaggcctccc agaacatcac ctaccactgc 420  
 aagaacagcg tggcctacat ggaccagcag actggcaacc tcaagaaggc cctgctcctc 480  
 cagggtcca acgagatcga gatccgcgcc gagggcaaca gccgcttcac ctacagcgtc 540  
 actgtcgatg gctgcacgag tcacaccgga gcctggggca agacagtgat tgaatacaaa 600  
 accaccaaga cctcccgcct gcccatcatc gatgtg 636

<210> 1023  
 <211> 162  
 <212> DNA  
 <213> Homo sapien

<400> 1023  
 aggcggagag gatcatgtcc gggaactgcg gggtagtagc gatctggggtt acccagccgt 60  
 tgtggccctt gaggtgcca cgaagggta tctgctcagt catggcggcg gcgagagcgt 120  
 gtgtcgctgc agcgacgag atggcacgtc gacgcggccg cg 162

<210> 1024  
 <211> 124  
 <212> DNA  
 <213> Homo sapien

<400> 1024  
 tccactagtc cagtgtggtg gaattcgcgg ccgcgtcgac gccgagcagg aggcgccatc 60  
 atgggagtgg acatccgcca taacaaggac cgaaagggtc ggcgcaagga gcccaagagc 120  
 cagg 124

<210> 1025  
 <211> 635  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature

<222> (1)...(635)

<223> n = A,T,C or G

<400> 1025

```

gcccccaatt ccagctgcc a caccacccac ggtgactgca ttagttcgga tgtcatacaa      60
aagctgattg aagcaaccct ctactttttg gtcgtgagcc ttttgcttgg tgcaggtttc      120
attggctgtg ttggtgacgt tgtcattgca acagaatggg ggaaaggcac tgttctcttt      180
gaagtagggg gagtcctcaa aatccgtata gttgggtgaag ccacagcact tgagcccttt      240
catgggtggg ttccacactt gagtgaagtc ttcttgggaa ccataatctt tcttgatggc      300
aggcactacc agcaacgtca ggaagtgtc agccattgtg gtgtacacca aggcgaccac      360
agcagctgca acctcagcaa tgaagatgag gaggaggatg aagaagaacg tcacgagggc      420
acacttgctc tcagtcttag caccatagca gcccaggaaa ccaagagcaa agaccacaac      480
gccggctgcg atgaggaagt agcccacgtt gacaaactgc atggcactgg acgacagtgg      540
cccgaagatc ttcagaaagg atgcccacatc gattgacacc cagatgccca ctgccaacag      600
ggctgcacca cacagaanga tgagcaaatt gaaga                                     635

```

<210> 1026

<211> 355

<212> DNA

<213> Homo sapien

<400> 1026

```

ccatctgctg ttttttctca gcaccttccg tcttttgttc aatacttgag acgaccctcc      60
aagatgacct acgggctcct acaacatttt tataagcaac tgagagaaga ttcctctcct      120
cattggataa ttcagctcct tgetcagtta cagacttcat gcaggctgcc atgtcatcat      180
atcgctcagc ctgctcggcc agtttggeet tctgaaccag ctcatTTTTA tccatgactg      240
gatgttctgt gtccggagtg ggtgggtggc gcgacggac gggctcagca gtctctgggc      300
ggcggcgggc gcagcagcgg cgaggctgag actctgtccc gtcgacgcgg ccgcg          355

```

<210> 1027

<211> 148

<212> DNA

<213> Homo sapien

<400> 1027

```

tgccaccctg gtgcccata ctgtggcctt ggtgcccagg aggggcccaga gctgggtgggt      60
gctggctgtt cttctccctc tggccctgag cccctggctc tggagctgcc tgtaggggct      120
gaaggggcat cccactgcc a ttctccgg                                     148

```

<210> 1028

<211> 479

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 1028

```

ggcgtcctgg tgcttaccac ctggaaactg gtgaggtggg gggagaactc ctggtggacc      60
ctagtggaa g ccttccagta atttcttgaa gctgagcgct caggtgagta gggcgacatc      120
tggtagccgg ttgttgaagg tcattgcaga gaggaaggaa gccgaggagg ggagcctgca      180
gtgagggcgt cctgggggtt tccgggttct accacccttg ggccacgccg tctagtccac      240

```

```
<210> 1029
<211> 64
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(64)
<223> n = A,T,C or G
```

<400> 1029  
gcgttnnatgt agttcttgag cacctcggga atggggcccct cggtcacggc tggcaccgcc 60  
tggg 64

```
<210> 1030
<211> 531
<212> DNA
<213> Homo sapien
```

<400>	1030						
cctgtcagag	tggcactggt	agaagttcca	ggaaccctga	actgtaaggg	ttcttcatca		60
gtgccaacag	gatgacatga	aatgatgtac	tcagaagtgt	cctggaatgg	ggcccatgag		120
atggttgtct	gagagagagc	ttcttgtcct	acattcggcg	ggtatggtct	tggcctatgc		180
cttatggggg	tggccgttgt	gggcggtgtg	gtccgcctaa	aaccatgttc	ctcaaagatc		240
at ttgttgcc	caacactggg	ttgctgacca	gaagtgccag	gaagctgaat	accatttcca		300
gtgtcatacc	caggggtggg	gacgaaaggg	gtcttttgaa	ctgtggaagg	aacatccaag		360
atctctggtc	catgaagatt	ggggtgtgga	agggttacca	gttggggaag	ctcgtctgtc		420
tttttccttc	caatcagggg	ctcgtctctc	tgattattct	tcagggcaat	gacataaatt		480
gtatatcggg	ttcccggttc	caggccagta	atagtagcct	ctgtgacacc	a		531

```
<210> 1031
<211> 518
<212> DNA
<213> Homo sapien
```

```
<220>  
<221> misc_feature  
<222> (1)...(518)  
<223> n = A,T,C or G
```

<400> 1031						
cctgggtggt	ggagcgaatg	ggccgattcc	accggatcct	ggagcctggt	ttgaacatcc	60
tcatccctgt	gttagaccgg	atccgatatg	tgcagagtct	caaggaaatt	gtcatcaacg	120
tgccctgagca	gtcggctgtg	actctcgaca	atgtaactct	gcaaatcgat	ggagtccttt	180
acctgcgcat	catggaccct	tacaaggcaa	gctacgggtg	ggaggaccct	gagtatgccg	240
tcaccagct	agctcaaaca	accatgagat	cagagctcgg	caaactctct	ctggacaaaag	300
tcttccggga	acgggagtc	ctgaatgcc	gcattgtgga	tgccatcaac	caagctgctg	360
actgctgggg	tatccgctgc	ctccgttatg	agatcaagga	tatccatgtg	ccacccggg	420
tgaagaagtc	tatgcagatg	cangtggagg	cagagcgqcg	gaaacggqcc	acagttctag	480

```
<210> 1032
<211> 116
<212> DNA
<213> Homo sapien
```

```
<400> 1032
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gacattatgt  gaatatattta ctggaaaata agactaataa attgttaaaa gttttt    116
```

```
<210> 1033
<211> 241
<212> DNA
<213> Homo sapien
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<400> 1033							
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gttaaaggag	ccacttatta	gtaatgttga	tagtagaatg	atggctaggg	tgacttcata		120
tgagattgtt	tgggctactg	ctcgcagtc	gccgatcagg	gcgtagtttg	agtttgatgc		180
tcaccctgat	cagaggattg	agtaaacggc	taggctagag	gtggctagaa	taaataggag		240
q							241

```
<210> 1034
<211> 234
<212> DNA
<213> Homo sapien
```

<400> 1034						
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ggggacagaa	gcacatgacc	gcctgtggtga	agctgttcgg	gccctttacc	aggaattact	180
atgttctggc	ctcctctgat	ctcctgctct	cqqtqcccgc	cqqcttccctg	ctqg	234

```
<210> 1035
<211> 434
<212> DNA
<213> Homo sapien
```

```
<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G
```

<400> 1035						
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gacttttncaa	ccctgacaga	cccgcaagac	aaaacaactg	gttnttgcca	gcctntanag	360
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cacacanact	cacc					434







<223> n = A, T, C or G

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ctggtgtcac	agaggctact	attactggcc	tggaaccggg	aaccgaatat	acaattttatg	180
tcattgccct	gaagaataat	cagaagagcg	agccctgat	tggaaggaaa	aagacagacg	240
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<213> Homo sapien

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<213> Homo sapien

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<213> Homo sapien

$$\langle 223 \rangle \quad n = A, T, C \text{ or } G$$

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<400> 1049

<210> 1050

<211> 3120

<212> DNA

<213> Homo sapiens

<400> 1050

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<400> 1051

<210> 1052

<212> DNA

<400> 1052

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&lt;210&gt; 1056

&lt;211&gt; 3311

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1056

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Lys Asn Arg Asn Ser Ala Ser Gln Val Ala Ser Ser Leu Glu Asn Met
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Asp Met Asn Pro Glu Cys Phe Val Ser Pro Arg Cys Ala Lys Arg His
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Ser Arg Cys Met Leu Leu Leu Phe Phe Ile Gly Leu Leu Leu Ile Leu		
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Leu Leu Gln Val Ala Thr Gly Ile Leu Gly Ala Val Phe Lys Ser Lys		
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Ser Asp Arg Ile Val Asn Glu Thr Leu Tyr Glu Asn Thr Lys Leu Leu		
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Ser Ala Thr Gly Glu Ser Glu Lys Gln Phe Gln Glu Ala Ile Ile Val		
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Phe Gln Glu Glu Phe Lys Cys Cys Gly Leu Val Asn Gly Ala Ala Asp		
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Trp Gly Asn Asn Phe Gln His Tyr Pro Glu Leu Cys Ala Cys Leu Asp		
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Lys Gln Arg Pro Cys Gln Ser Tyr Asn Gly Lys Gln Val Tyr Lys Glu		
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Thr Cys Ile Ser Phe Ile Lys Asp Phe Leu Ala Lys Asn Leu Ile Ile		
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Val Ile Gly Ile Ser Phe Gly Leu Ala Val Ile Glu Ile Leu Gly Leu		
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Val Phe Ser Met Val Leu Tyr Cys Gln Ile Gly Asn Lys		
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&lt;210&gt; 1063

&lt;211&gt; 80

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1063

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Ile Ile Lys Gly Tyr Val Pro Pro Thr Gly Lys Ser Phe Ala Ile Asn  
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Phe Lys Val Gly Ser Ser Gly Asp Ile Ala Leu His Ile Asn Pro Arg  
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Met Gly Asn Gly Thr Val Val Arg Asn Ser Leu Leu Asn Gly Ser Trp  
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Gly Ser Glu Glu Lys Lys Ile Thr His Asn Pro Phe Gly Pro Gly Gln  
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Phe Phe Asp Leu Ser Ile Arg Cys Gly Leu Asp Arg Phe Lys Val Tyr  
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Ala Asn Gly Gln His Leu Phe Asp Phe Ala His Arg Leu Ser Ala Phe  
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Val Gln Ile

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<211> 957

<212> PRT

<213> Homo sapiens

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Glu Ser Thr Thr Phe His Ser Gly Pro Gly Ser Thr Glu Thr Thr Leu  
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Leu Pro Asp Asn Thr Thr Ala Ser Gly Leu Leu Glu Ala Ser Thr Pro  
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Val His Ser Ser Thr Gly Ser Pro His Thr Thr Leu Ser Pro Ala Gly  
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Ser Thr Thr Arg Gln Gly Glu Ser Thr Thr Phe Gln Ser Trp Pro Asn  
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Ser Lys Asp Thr Thr Pro Ala Pro Pro Thr Thr Thr Ser Ala Phe Val  
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Glu Leu Ser Thr Thr Ser His Gly Ser Pro Ser Ser Thr Pro Thr Thr

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Thr Val His Ser Ser Pro Val Ala Thr Ala Thr Thr Pro Ser Pro Ala				
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Arg Ser Thr Thr Ser Gly Leu Val Glu Glu Ser Thr Thr Tyr His Ser				
		180		185
Ser Pro Gly Ser Thr Gln Thr Met His Phe Pro Glu Ser Asp Thr Thr				
		195		200
Ser Gly Arg Gly Glu Glu Ser Thr Thr Ser His Ser Ser Thr Thr His				
		210		215
Thr Ile Ser Ser Ala Pro Ser Thr Thr Ser Ala Leu Val Glu Glu Pro				
		225		230
Thr Ser Tyr His Ser Ser Pro Gly Ser Thr Ala Thr Thr His Phe Pro				
		245		250
Asp Ser Ser Thr Thr Ser Gly Arg Ser Glu Glu Ser Thr Ala Ser His				
		260		265
Ser Asn Gln Asp Ala Thr Gly Thr Ile Val Leu Pro Ala Arg Ser Thr				
		275		280
Thr Ser Val Leu Leu Gly Glu Ser Thr Thr Ser Pro Ile Ser Ser Gly				
		290		295
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Ser Glu Lys Ser Thr Thr Phe His Ser Ser Pro Arg Ser Pro Ala Thr				
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Thr Leu Ser Pro Ala Ser Thr Thr Ser Ser Gly Val Ser Glu Glu Ser				
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Ser Ser Pro Gly Ser Thr Asp Thr Thr Leu Leu Pro Ala Ser Thr Thr				
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 Glu Gly Ile Val Val Ala Ile Asp Pro Asn Val Pro Glu Asp Glu Thr  
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 Phe Glu Ala Thr Gly Lys Arg Phe Tyr Phe Lys Asn Val Ala Ile Leu  
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 Ile Pro Glu Thr Trp Lys Thr Lys Ala Asp Tyr Val Arg Pro Lys Leu  
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 Glu Thr Tyr Lys Asn Ala Asp Val Leu Val Ala Glu Ser Thr Pro Pro  
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 Gly Asn Asp Glu Pro Tyr Thr Glu Gln Met Gly Asn Cys Gly Glu Lys  
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 Gly Glu Arg Ile His Leu Thr Pro Asp Phe Ile Ala Gly Lys Lys Leu  
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 Ala Glu Tyr Gly Pro Gln Gly Lys Ala Phe Val His Glu Trp Ala His  
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 Gly Thr Asn Val Val Lys Lys Cys Gln Gly Gly Ser Cys Tyr Thr Lys  
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 Thr Val Glu Leu Gly Ser Trp Val Gly Met Val Thr Phe Asp Ser Ala  
 340 345 350  
 Ala His Val Gln Ser Glu Leu Ile Gln Ile Asn Ser Gly Ser Asp Arg  
 355 360 365  
 Asp Thr Leu Ala Lys Arg Leu Pro Ala Ala Ala Ser Gly Gly Thr Ser  
 370 375 380  
 Ile Cys Ser Gly Leu Arg Ser Ala Phe Thr Val Ile Arg Lys Lys Tyr  
 385 390 395 400  
 Pro Thr Asp Gly Ser Glu Ile Val Leu Leu Thr Asp Gly Glu Asp Asn  
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 Thr Ile Ser Gly Cys Phe Asn Glu Val Lys Gln Ser Gly Ala Ile Ile  
 420 425 430  
 His Thr Val Ala Leu Gly Pro Ser Ala Ala Gln Glu Leu Glu Glu Leu  
 435 440 445  
 Ser Lys Met Thr Gly Gly Leu Gln Thr Tyr Ala Ser Asp Gln Val Gln  
 450 455 460  
 Asn Asn Gly Leu Ile Asp Ala Phe Gly Ala Leu Ser Ser Gly Asn Gly  
 465 470 475 480  
 Ala Val Ser Gln Arg Ser Ile Gln Leu Glu Ser Lys Gly Leu Thr Leu  
 485 490 495  
 Gln Asn Ser Gln Trp Met Asn Gly Thr Val Ile Val Asp Ser Thr Val  
 500 505 510  
 Gly Lys Asp Thr Leu Phe Leu Ile Thr Trp Thr Thr Gln Pro Pro Gln  
 515 520 525  
 Ile Leu Leu Trp Asp Pro Ser Gly Gln Lys Gln Gly Gly Phe Val Val  
 530 535 540  
 Asp Lys Asn Thr Lys Met Ala Tyr Leu Gln Ile Pro Gly Ile Ala Lys  
 545 550 555 560  
 Val Gly Thr Trp Lys Tyr Ser Leu Gln Ala Ser Ser Gln Thr Leu Thr  
 565 570 575

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Phe Ile Pro Pro Gln Thr Pro Pro Glu Thr Pro Ser Pro Asp Glu Thr  
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Ser Ala Pro Cys Pro Asn Ile His Ile Asn Ser Thr Ile Pro Gly Ile  
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His Ile Leu Lys Ile Met Trp Lys Trp Ile Gly Glu Leu Gln Leu Ser  
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Ile Ala

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<211> 585

<212> PRT

<213> Homo sapiens

<400> 1067

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Ala Ser Thr Thr Thr Ser Gly Leu Ser Gln Glu Ser Thr Thr Phe His  
35 40 45

Ser Lys Pro Gly Ser Thr Glu Thr Thr Leu Ser Pro Gly Ser Ile Thr  
50 55 60

Thr Ser Ser Phe Ala Gln Glu Phe Thr Thr Pro His Ser Gln Pro Gly  
65 70 75 80

Ser Ala Leu Ser Thr Val Ser Pro Ala Ser Thr Thr Val Pro Gly Leu  
85 90 95

Ser Glu Glu Ser Thr Thr Phe Tyr Ser Ser Pro Gly Ser Thr Glu Thr  
100 105 110

Thr Ala Phe Ser His Ser Asn Thr Met Ser Ile His Ser Gln Gln Ser  
115 120 125

Thr Pro Phe Pro Asp Ser Pro Gly Phe Thr His Thr Val Leu Pro Ala  
130 135 140

Thr Leu Thr Thr Thr Asp Ile Gly Gln Glu Ser Thr Ala Phe His Ser  
145 150 155 160

Ser Ser Asp Ala Thr Gly Thr Thr Pro Leu Pro Ala Arg Ser Thr Ala  
165 170 175

Ser Asp Leu Val Gly Glu Pro Thr Thr Phe Tyr Ile Ser Pro Ser Pro  
180 185 190

[illegible]



Ile Ala Lys Ser Leu Val Tyr Gly Ile Val Gly Ala Val Met Ala Val  
485 490 495

Leu Leu Leu Ala Leu Ile Ile Leu Ile Ile Leu Phe Ser Leu Ser Gln  
500 505 510

Arg Lys Arg His Arg Glu Gln Tyr Asp Val Pro Gln Glu Trp Arg Lys  
515 520 525

Glu Gly Thr Pro Gly Ile Phe Gln Lys Thr Ala Ile Trp Glu Asp Gln  
530 535 540

Asn Leu Arg Glu Ser Arg Phe Gly Leu Glu Asn Ala Tyr Asn Asn Phe  
545 550 555 560

Arg Pro Thr Leu Glu Thr Val Asp Ser Gly Thr Glu Leu His Ile Gln  
565 570 575

Arg Pro Glu Met Val Ala Ser Thr Val  
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<210> 1068

<211> 5179

<212> PRT

<213> Homo sapiens

<400> 1068

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Leu Ala Gly Gly Ser Glu Leu Gln Thr Glu Gly Arg Thr Arg Tyr His  
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Gly Arg Asn Val Cys Ser Thr Trp Gly Asn Phe His Tyr Lys Thr Phe  
35 40 45

Asp Gly Asp Val Phe Arg Phe Pro Gly Leu Cys Asp Tyr Asn Phe Ala  
50 55 60

Ser Asp Cys Arg Gly Ser Tyr Lys Glu Phe Ala Val His Leu Lys Arg  
65 70 75 80

Gly Pro Gly Gln Ala Glu Ala Pro Ala Gly Val Glu Ser Ile Leu Leu  
85 90 95

Thr Ile Lys Asp Asp Thr Ile Tyr Leu Thr Arg His Leu Ala Val Leu  
100 105 110

Asn Gly Ala Val Val Ser Thr Pro His Tyr Ser Pro Gly Leu Leu Ile  
115 120 125

Glu Lys Ser Asp Ala Tyr Thr Lys Val Tyr Ser Arg Ala Gly Leu Thr

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420					425					430					
Ala	Pro	Cys	Gly	Ser	Thr	Asp	Lys	Gln	Thr	Cys	Leu	Lys	Thr	Val	Val
		435					440					445			
Leu	Leu	Ala	Asp	Lys	Lys	Lys	Asn	Ala	Val	Val	Phe	Lys	Ser	Asp	Gly
	450					455					460				
Ser	Val	Leu	Leu	Asn	Gln	Leu	Gln	Val	Asn	Leu	Pro	His	Val	Thr	Ala
465						470					475				480
Ser	Phe	Ser	Val	Phe	Arg	Pro	Ser	Ser	Tyr	His	Ile	Met	Val	Ser	Met
				485					490					495	
Ala	Ile	Gly	Val	Arg	Leu	Gln	Val	Gln	Leu	Ala	Pro	Val	Met	Gln	Leu
			500					505					510		
Phe	Val	Thr	Leu	Asp	Gln	Ala	Ser	Gln	Gly	Gln	Val	Gln	Gly	Leu	Cys
		515					520					525			
Gly	Asn	Phe	Asn	Gly	Leu	Glu	Gly	Asp	Asp	Phe	Lys	Thr	Ala	Ser	Gly
	530					535					540				
Leu	Val	Glu	Ala	Thr	Gly	Ala	Gly	Phe	Ala	Asn	Thr	Trp	Lys	Ala	Gln
545						550					555				560
Ser	Thr	Cys	His	Asp	Lys	Leu	Asp	Trp	Leu	Asp	Asp	Pro	Cys	Ser	Leu
				565					570					575	
Asn	Ile	Glu	Ser	Ala	Asn	Tyr	Ala	Glu	His	Trp	Cys	Ser	Leu	Leu	Lys
			580					585					590		
Lys	Thr	Glu	Thr	Pro	Phe	Gly	Arg	Cys	His	Ser	Ala	Val	Asp	Pro	Ala
		595					600					605			
Glu	Tyr	Tyr	Lys	Arg	Cys	Lys	Tyr	Asp	Thr	Cys	Asn	Cys	Gln	Asn	Asn
	610					615					620				
Glu	Asp	Cys	Leu	Cys	Ala	Ala	Leu	Ser	Ser	Tyr	Ala	Arg	Ala	Cys	Thr
625						630					635				640
Ala	Lys	Gly	Val	Met	Leu	Trp	Gly	Trp	Arg	Glu	His	Val	Cys	Asn	Lys
				645					650					655	
Asp	Val	Gly	Ser	Cys	Pro	Asn	Ser	Gln	Val	Phe	Leu	Tyr	Asn	Leu	Thr
			660					665					670		
Thr	Cys	Gln	Gln	Thr	Cys	Arg	Ser	Leu	Ser	Glu	Ala	Asp	Ser	His	Cys
		675					680					685			
Leu	Glu	Gly	Phe	Ala	Pro	Val	Asp	Gly	Cys	Gly	Cys	Pro	Asp	His	Thr
	690					695					700				
Phe	Leu	Asp	Glu	Lys	Gly	Arg	Cys	Val	Pro	Leu	Ala	Lys	Cys	Ser	Cys

705				710				715				720			
Tyr	His	Arg	Gly	Leu	Tyr	Leu	Glu	Ala	Gly	Asp	Val	Val	Val	Arg	Gln
725				730				735							
Glu	Glu	Arg	Cys	Val	Cys	Arg	Asp	Gly	Arg	Leu	His	Cys	Arg	Gln	Ile
740				745				750							
Arg	Leu	Ile	Gly	Gln	Ser	Cys	Thr	Ala	Pro	Lys	Ile	His	Met	Asp	Cys
755				760				765							
Ser	Asn	Leu	Thr	Ala	Leu	Ala	Thr	Ser	Lys	Pro	Arg	Ala	Leu	Ser	Cys
770				775				780							
Gln	Thr	Leu	Ala	Ala	Gly	Tyr	Tyr	His	Thr	Glu	Cys	Val	Ser	Gly	Cys
785				790				795				800			
Val	Cys	Pro	Asp	Gly	Leu	Met	Asp	Asp	Gly	Arg	Gly	Gly	Cys	Val	Val
805				810				815							
Glu	Lys	Glu	Cys	Pro	Cys	Val	His	Asn	Asn	Asp	Leu	Tyr	Ser	Ser	Gly
820				825				830							
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Trp	Val	Cys	Thr	Gln	Ala	Val	Cys	His	Gly	Thr	Cys	Ser	Ile	Tyr	Gly
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Ser	Gly	His	Tyr	Ile	Thr	Phe	Asp	Gly	Lys	Tyr	Tyr	Asp	Phe	Asp	Gly
865				870				875				880			
His	Cys	Ser	Tyr	Val	Ala	Val	Gln	Asp	Tyr	Cys	Gly	Gln	Asn	Ser	Ser
885				890				895							
Leu	Gly	Ser	Phe	Ser	Ile	Ile	Thr	Glu	Asn	Val	Pro	Cys	Gly	Thr	Thr
900				905				910							
Gly	Val	Thr	Cys	Ser	Lys	Ala	Ile	Lys	Ile	Phe	Met	Gly	Arg	Thr	Glu
915				920				925							
Leu	Lys	Leu	Glu	Asp	Lys	His	Arg	Val	Val	Ile	Gln	Arg	Asp	Glu	Gly
930				935				940							
His	His	Val	Ala	Tyr	Thr	Thr	Arg	Glu	Val	Gly	Gln	Tyr	Leu	Val	Val
945				950				955				960			
Glu	Ser	Ser	Thr	Gly	Ile	Ile	Val	Ile	Trp	Asp	Lys	Arg	Thr	Thr	Val
965				970				975							
Phe	Ile	Lys	Leu	Ala	Pro	Ser	Tyr	Lys	Gly	Thr	Val	Cys	Gly	Leu	Cys
980				985				990							
Gly	Asn	Phe	Asp	His	Arg	Ser	Asn	Asn	Asp	Phe	Thr	Thr	Arg	Asp	His

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Pro Thr Cys Pro Asp Val Ser Thr Asn Pro Glu Pro Cys Ser Leu Asn 1025 1030 1035 1040		
Pro His Arg Arg Ser Trp Ala Glu Lys Gln Cys Ser Ile Leu Lys Ser 1045 1050 1055		
Ser Val Phe Ser Ile Cys His Ser Lys Val Asp Pro Lys Pro Phe Tyr 1060 1065 1070		
Glu Ala Cys Val His Asp Ser Cys Ser Cys Asp Thr Gly Gly Asp Cys 1075 1080 1085		
Glu Cys Phe Cys Ser Ala Val Ala Ser Tyr Ala Gln Glu Cys Thr Lys 1090 1095 1100		
Glu Gly Ala Cys Val Phe Trp Arg Thr Pro Asp Leu Cys Pro Ile Phe 1105 1110 1115 1120		
Cys Asp Tyr Tyr Asn Pro Pro His Glu Cys Glu Trp His Tyr Glu Pro 1125 1130 1135		
Cys Gly Asn Arg Ser Phe Glu Thr Cys Arg Thr Ile Asn Gly Ile His 1140 1145 1150		
Ser Asn Ile Ser Val Ser Tyr Leu Glu Gly Cys Tyr Pro Arg Cys Pro 1155 1160 1165		
Lys Asp Arg Pro Ile Tyr Glu Glu Asp Leu Lys Lys Cys Val Thr Ala 1170 1175 1180		
Asp Lys Cys Gly Cys Tyr Val Glu Asp Thr His Tyr Pro Pro Gly Ala 1185 1190 1195 1200		
Ser Val Pro Thr Glu Glu Thr Cys Lys Ser Cys Val Cys Thr Asn Ser 1205 1210 1215		
Ser Gln Val Val Cys Arg Pro Glu Glu Gly Lys Ile Leu Asn Gln Thr 1220 1225 1230		
Gln Asp Gly Ala Phe Cys Tyr Trp Glu Ile Cys Gly Pro Asn Gly Thr 1235 1240 1245		
Val Glu Lys His Phe Asn Ile Cys Ser Ile Thr Thr Arg Pro Ser Thr 1250 1255 1260		
Leu Thr Thr Phe Thr Thr Ile Thr Leu Pro Thr Thr Pro Thr Ser Phe 1265 1270 1275 1280		
Thr Thr Thr Thr Thr Thr Thr Thr Pro Thr Ser Ser Thr Val Leu Ser		

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1860					1865					1870					
Val	Gln	Cys	Cys	Glu	Cys	Val	Thr	Gln	Pro	Thr	Thr	Met	Thr	Thr	Thr
	1875						1880					1885			
Thr	Thr	Glu	Asn	Pro	Thr	Pro	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr
	1890					1895					1900				
Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr
1905					1910					1915					1920
Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro
				1925					1930					1935	
Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr
			1940						1945					1950	
Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr
		1955						1960				1965			
Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly
	1970					1975					1980				
Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr
1985					1990					1995					2000
Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile
				2005					2010					2015	
Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln
				2020					2025					2030	
Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr
		2035					2040					2045			
Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr
				2050		2055						2060			
Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro
2065					2070					2075					2080
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				2100					2105					2110	
Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Gly	Thr	Gln	Thr	Pro	Thr	Thr
		2115					2120					2125			
Thr	Pro	Ile	Thr	Thr	Thr	Thr	Val	Thr	Pro	Thr	Pro	Thr	Pro	Thr	Thr
	2130					2135					2140				
Gly	Thr	Gln	Thr	Pro	Thr	Thr	Thr	Pro	Ile	Thr	Thr	Thr	Thr	Thr	Val

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2450	2455	2460
Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Thr Pro Ile Thr Thr Thr Thr		
2465	2470	2475 2480
Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr		
2485	2490	2495
Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr		
2500	2505	2510
Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val		
2515	2520	2525
Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro		
2530	2535	2540
Ile Thr Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr		
2545	2550	2555 2560
Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro		
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Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr		
2580	2585	2590
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Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro		
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Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr		
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Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr		
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Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro		
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Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr		
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Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr		
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Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly		
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Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr		

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Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr		
2770	2775	2780
Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr		
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Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro		
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Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr		
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Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr		
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Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr		
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Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr		
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Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val		
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Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro		
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Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr		
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Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro		
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2960		
Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr		
2965	2970	2975
Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro		
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	3045	3050 3055
Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr		
	3060	3065 3070
Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly		
	3075	3080 3085
Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr		
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Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile		
	3105	3110 3115 3120
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	3125	3130 3135
Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr		
	3140	3145 3150
Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr		
	3155	3160 3165
Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro		
	3170	3175 3180
Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr		
	3185	3190 3195 3200
Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr		
	3205	3210 3215
Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr		
	3220	3225 3230
Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr		
	3235	3240 3245
Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val		
	3250	3255 3260
Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro		
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Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr		
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Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro		

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3330	3335	3340
Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro		
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Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Thr Pro Ile Thr Thr Thr		
3365	3370	3375
Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr		
3380	3385	3390
Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro		
3395	3400	3405
Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr		
3410	3415	3420
Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr		
3425	3430	3435
Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly		
3445	3450	3455
Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr		
3460	3465	3470
Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile		
3475	3480	3485
Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln		
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Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr		
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Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr		
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Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro		
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Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr		
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Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr		
3570	3575	3580
Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr		

3585	3590	3595	3600
Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr	3605	3610	3615
Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val	3620	3625	3630
Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro	3635	3640	3645
Ile Thr Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr	3650	3655	3660
Gln Thr Pro Thr Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro	3665	3670	3675
Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr	3685	3690	3695
Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr	3700	3705	3710
Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro	3715	3720	3725
Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr	3730	3735	3740
Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr	3745	3750	3755
Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro	3765	3770	3775
Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr	3780	3785	3790
Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr	3795	3800	3805
Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly	3810	3815	3820
Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr	3825	3830	3835
Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile	3845	3850	3855
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Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr			

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3890	3895	3900
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3925	3930	3935
Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr		
3940	3945	3950
Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr		
3955	3960	3965
Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr		
3970	3975	3980
Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val		
3985	3990	3995 4000
Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro		
4005	4010	4015
Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr		
4020	4025	4030
Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro		
4035	4040	4045
Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr		
4050	4055	4060
Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr		
4065	4070	4075 4080
Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro		
4085	4090	4095
Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr		
4100	4105	4110
Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr		
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Thr Thr Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro		
4130	4135	4140
Thr Gly Thr Gln Thr Pro Thr Thr Thr Pro Ile Thr Thr Thr Thr Thr		
4145	4150	4155 4160
Val Thr Pro Thr Pro Thr Pro Thr Gly Thr Gln Thr Pro Thr Thr Thr		

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4165	4170	4175
Pro Ile Thr Thr Thr Thr Thr Val Thr Pro Thr Pro Thr Pro Thr Gly		
4180	4185	4190
Thr Gln Thr Gly Pro Pro Thr His Thr Ser Thr Ala Pro Ile Ala Glu		
4195	4200	4205
Leu Thr Thr Ser Asn Pro Pro Pro Glu Ser Ser Thr Pro Gln Thr Ser		
4210	4215	4220
Arg Ser Thr Ser Ser Pro Leu Thr Glu Ser Thr Thr Leu Leu Ser Thr		
4225	4230	4235
4240		
Leu Pro Pro Ala Ile Glu Met Thr Ser Thr Ala Pro Pro Ser Thr Pro		
4245	4250	4255
Thr Ala Pro Thr Thr Thr Ser Gly Gly His Thr Leu Ser Pro Pro Pro		
4260	4265	4270
Ser Thr Thr Thr Ser Pro Pro Gly Thr Pro Thr Arg Gly Thr Thr Thr		
4275	4280	4285
Gly Ser Ser Ser Ala Pro Thr Pro Ser Thr Val Gln Thr Thr Thr Thr		
4290	4295	4300
Ser Ala Trp Thr Pro Thr Pro Thr Pro Leu Ser Thr Pro Ser Ile Ile		
4305	4310	4315
4320		
Arg Thr Thr Gly Leu Arg Pro Tyr Pro Ser Ser Val Leu Ile Cys Cys		
4325	4330	4335
Val Leu Asn Asp Thr Tyr Tyr Ala Pro Gly Glu Glu Val Tyr Asn Gly		
4340	4345	4350
Thr Tyr Gly Asp Thr Cys Tyr Phe Val Asn Cys Ser Leu Ser Cys Thr		
4355	4360	4365
Leu Glu Phe Tyr Asn Trp Ser Cys Pro Ser Thr Pro Ser Pro Thr Pro		
4370	4375	4380
Thr Pro Ser Lys Ser Thr Pro Thr Pro Ser Lys Pro Ser Ser Thr Pro		
4385	4390	4395
4400		
Ser Lys Pro Thr Pro Gly Thr Lys Pro Pro Glu Cys Pro Asp Phe Asp		
4405	4410	4415
Pro Pro Arg Gln Glu Asn Glu Thr Trp Trp Leu Cys Asp Cys Phe Met		
4420	4425	4430
Ala Thr Cys Lys Tyr Asn Asn Thr Val Glu Ile Val Lys Val Glu Cys		
4435	4440	4445
Glu Pro Pro Pro Met Pro Thr Cys Ser Asn Gly Leu Gln Pro Val Arg		

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4740	4745	4750
His Thr His Gly Ala Cys Leu Val Glu Cys Pro Ser His Arg Glu Tyr 4755 4760 4765		
Gln Ala Cys Gly Pro Ala Glu Glu Pro Thr Cys Lys Ser Ser Ser Ser 4770 4775 4780		
Gln Gln Asn Asn Thr Val Leu Val Glu Gly Cys Phe Cys Pro Glu Gly 4785 4790 4795 4800		
Thr Met Asn Tyr Ala Pro Gly Phe Asp Val Cys Val Lys Thr Cys Gly 4805 4810 4815		
Cys Val Gly Pro Asp Asn Val Pro Arg Glu Phe Gly Glu His Phe Glu 4820 4825 4830		
Phe Asp Cys Lys Asn Cys Val Cys Leu Glu Gly Gly Ser Gly Ile Ile 4835 4840 4845		
Cys Gln Pro Lys Arg Cys Ser Gln Lys Pro Val Thr His Cys Val Glu 4850 4855 4860		
Asp Gly Thr Tyr Leu Ala Thr Glu Val Asn Pro Ala Asp Thr Cys Cys 4865 4870 4875 4880		
Asn Ile Thr Val Cys Lys Cys Asn Thr Ser Leu Cys Lys Glu Lys Pro 4885 4890 4895		
Ser Val Cys Pro Leu Gly Phe Glu Val Lys Ser Lys Met Val Pro Gly 4900 4905 4910		
Arg Cys Cys Pro Phe Tyr Trp Cys Glu Ser Lys Gly Val Cys Val His 4915 4920 4925		
Gly Asn Ala Glu Tyr Gln Pro Gly Ser Pro Val Tyr Ser Ser Lys Cys 4930 4935 4940		
Gln Asp Cys Val Cys Thr Asp Lys Val Asp Asn Asn Thr Leu Leu Asn 4945 4950 4955 4960		
Val Ile Ala Cys Thr His Val Pro Cys Asn Thr Ser Cys Ser Pro Gly 4965 4970 4975		
Phe Glu Leu Met Glu Ala Pro Gly Glu Cys Cys Lys Lys Cys Glu Gln 4980 4985 4990		
Thr His Cys Ile Ile Lys Arg Pro Asp Asn Gln His Val Ile Leu Lys 4995 5000 5005		
Pro Gly Asp Phe Lys Ser Asp Pro Lys Asn Asn Cys Thr Phe Phe Ser 5010 5015 5020		
Cys Val Lys Ile His Asn Gln Leu Ile Ser Ser Val Ser Asn Ile Thr		

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<210> 1069
<211> 1173
<212> DNA
<213> Homo sapiens
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gagtcttggt	tgccaaacag	atttgcatat	caaggagaac	ccaggagttt	caaagaagcg	180
ctagtaaggt	ctctgagatc	cttgcaactag	ctacatcctc	agggtaggag	gaagatggct	240
tccagaagca	tgcggctgct	cctattgctg	agctgcctgg	ccaaaacagg	agtcctgggt	300
gatatcatca	tgagacccag	ctgtgctcct	ggatggtttt	accacaagtc	caattgctat	360
ggttacttca	ggaagctgag	gaactgggtct	gatgccgagc	tcgagtgtca	gtcttacgga	420
aacggagccc	acctggcatc	tatcctgagt	ttaaaggaag	ccagcaccat	agcagagtac	480
ataagtggct	atcagagaag	ccagccgata	tggattggcc	tgcacgaccc	acagaagagg	540
cagcagtggc	agtggattga	tggggccatg	tatctgtaca	gatcctggtc	tggcaagtcc	600
atgggtggga	acaagcactg	tgctgagatg	agctccaata	acaacttttt	aacttggagc	660
agcaacgaat	gcaacaagcg	ccaacacttc	ctgtgcaagt	accgaccata	gagcaagaat	720
caagattctg	ctaactcctg	cacagccccg	tctcttctct	ttctgctagc	ctggctaaat	780
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tgaacttttt	agggcttagag	acagaaactt	tagcattggc	ccagtagtgg	cttctagtct	900
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gctgtctcga	gcagtctaga	agagtgcata	tccagcctat	gaaacagctg	ggtctttggc	1020
cataaqaagt	aaagatttga	agacagaagg	aaqaaactca	qqaqtaagct	tctagccccc	1080



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gtggctatca gagaagccag ccgatatgga ttggcctgca cgacccacag aagaggcagc 420
agtggcagtg gattgatggg gccatgtatc tgtacagatc ctggtctggc aagtccatgg 480
gtgggaacaa gcactgtgct gagatgagct ccaataacaa ctttttaact tggagcagca 540
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gggccataca ttcctttaat aaaccattgt gtac 1114

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&lt;210&gt; 1072

&lt;211&gt; 1152

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1072

```

actggagaca ctgaagaagg cagggggccct tagagtcttg gttgccaaac agatttgagc 60
atcaaggaga acccaggagt ttcaaagaag cgctagtaag gtctctgaga tccttgcaact 120
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tgagctgcct ggccaaaaca ggagtcctgg gtgatcatcat catgagacc agctgtgctc 240
ctggatggtt ttaccacaag tccaattgct atggttactt caggaagctg aggaactgg 300
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tgtatctgta cagatcctgg tctggcaagt ccatgggtgg gaacaagcac tgtgctgaga 540
tgagctccaa taacaacttt ttaacttgga gcagcaacga atgcaacaag cgccaacact 600
tcctgtgcaa gtaccgacca tagagcaaga atcaagattc tgctaactcc tgcaacagccc 660
cgtcctcttc ctttctgcta gcctggctaa atctgctcat tatttcagag gggaaacct 720
gaaactaag agtgataagg gccctactac actggctttt ttaggcttag agacagaaac 780
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cattgtgtac at 1152

```

&lt;210&gt; 1073

&lt;211&gt; 474

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 1073

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atggcttcca gaagcatgag gctgctccta ttgctgagct gcctggccaa aacaggagtc 60
ctgggtgata tcatcatgag acccagctgt gctcctggat ggttttacca caagtccaat 120
tgctatggtt acttcaggaa gctgaggaac tggctctgat ccgagctcga gtgtcagtct 180
tacggaaacg gagcccacct ggcatctatc ctgagtttaa aggaagccag caccatagca 240
gagtacataa gtggctatca gagaagccag ccgatatgga ttggcctgca cgacccacag 300
aagaggcagc agtggcagtg gattgatggg gccatgtatc tgtacagatc ctggtctggc 360
aagtccatgg gtgggaacaa gcactgtgct gagatgagct ccaataacaa ctttttaact 420

```

tggagcagca acgaatgcaa caagcgccaa cacttcctgt gcaagtaccg acca 474

<210> 1074

<211> 1114

<212> DNA

<213> Homo sapiens

<400> 1074

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taaggtctct gagatccttg cactagctac atcctcaggg taggaggaag atggcttcca 120
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gagcccacct ggcattctatc ctgagtttaa aggaagccag caccatagca gagtacataa 360
gtggctatca gagaagccag ccgatatgga ttggcctgca cgacccacag aagaggcagc 420
agtggcagtg gattgatggg gccatgtatc tgtacagatc ctgggtctggc aagtccatgg 480
gtgggaacaa gcactgtgct gagatgagct ccaataacaa ctttttaact tggagcagca 540
acgaatgcaa caagcgccaa cacttcctgt gcaagtaccg accatagagc aagaatcaag 600
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tcattatttc agaggggaaa cctagcaaac taagagtgtat aagggcccta ctacactggc 720
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gcttctacac ctttctgccc tctctccatt gcctgcaccc caccacagcc actcaactcc 1020
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gggccatata ttcctttaat aaaccattgt gtac 1114
```

<210> 1075

<211> 614

<212> DNA

<213> Homo sapiens

<400> 1075

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cagggtagga ggaagatggc ttccagaagc atgcggctgc tcctattgct gagctgcctg 180
gccaaaacag ggtcctggg gatcctcatc atgagacca gctgtgctcc tggatgggtt 240
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ctcgagtgtc agtcttacgg aaacggagcc cacctggcat ctatcctgag tttaaaggaa 360
gccagcacca tagcagagta cataagtggc tatcagagaa gccagccgat atggattggc 420
ctgcacgacc cacagaagag gcagcagtg cagtggattg atggggccat gtatctgtac 480
agatcctggg ctggcaagtc catgggtggg aacaagcact gtgctgagat gagctccaat 540
aacaactttt taacttgtag cagcaacgaa tgcaacaagc gccaacactt cctgtgcaag 600
taccgaccat agag 614
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<210> 1076

<211> 3345

<212> DNA

<213> Homo sapiens

<400> 1076

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gaattccgtc tcgaccactg aatggaagaa aaggactttt aaccaccatt ttgtgactta 60
cagaaaggaa tttgaataaa gaaaactatg atacttcagg cccatcttca ctccctgtgt 120
```



<210> 1077  
 <211> 158  
 <212> PRT  
 <213> Homo sapiens

<400> 1077

```

Met Ala Ser Arg Ser Met Arg Leu Leu Leu Leu Leu Ser Cys Leu Ala
              5              10              15

Lys Thr Gly Val Leu Gly Asp Ile Ile Met Arg Pro Ser Cys Ala Pro
              20              25              30

Gly Trp Phe Tyr His Lys Ser Asn Cys Tyr Gly Tyr Phe Arg Lys Leu
              35              40              45

Arg Asn Trp Ser Asp Ala Glu Leu Glu Cys Gln Ser Tyr Gly Asn Gly
              50              55              60

Ala His Leu Ala Ser Ile Leu Ser Leu Lys Glu Ala Ser Thr Ile Ala
              65              70              75              80

Glu Tyr Ile Ser Gly Tyr Gln Arg Ser Gln Pro Ile Trp Ile Gly Leu
              85              90              95

His Asp Pro Gln Lys Arg Gln Gln Trp Gln Trp Ile Asp Gly Ala Met
              100              105              110

Tyr Leu Tyr Arg Ser Trp Ser Gly Lys Ser Met Gly Gly Asn Lys His
              115              120              125

Cys Ala Glu Met Ser Ser Asn Asn Asn Phe Leu Thr Trp Ser Ser Asn
              130              135              140

Glu Cys Asn Lys Arg Gln His Phe Leu Cys Lys Tyr Arg Pro
              145              150              155

```

<210> 1078  
 <211> 158  
 <212> PRT  
 <213> Homo sapiens

<400> 1078

```

Met Ala Ser Arg Ser Met Arg Leu Leu Leu Leu Leu Ser Cys Leu Ala
              5              10              15

Lys Thr Gly Val Leu Gly Asp Ile Ile Met Arg Pro Ser Cys Ala Pro
              20              25              30

Gly Trp Phe Tyr His Lys Ser Asn Cys Tyr Gly Tyr Phe Arg Lys Leu
              35              40              45

Arg Asn Trp Ser Asp Ala Glu Leu Glu Cys Gln Ser Tyr Gly Asn Gly

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35	40	45
Phe Gln Phe Lys Ala Asn Pro Pro Ala Val Thr Phe Glu Leu Thr Gly		
50	55	60
Glu Thr Asp Asn Ile Phe Val Ile Glu Arg Glu Gly Leu Leu Tyr Tyr		
65	70	75
Asn Arg Ala Leu Asp Arg Glu Thr Arg Ser Thr His Asn Leu Gln Val		
85	90	95
Ala Ala Leu Asp Ala Asn Gly Ile Ile Val Glu Gly Pro Val Pro Ile		
100	105	110
Thr Ile Glu Val Lys Asp Ile Asn Asp Asn Arg Pro Thr Phe Leu Gln		
115	120	125
Ser Lys Tyr Glu Gly Ser Val Arg Gln Asn Ser Arg Pro Gly Lys Pro		
130	135	140
Phe Leu Tyr Val Asn Ala Thr Asp Leu Asp Asp Pro Ala Thr Pro Asn		
145	150	155
Gly Gln Leu Tyr Tyr Gln Ile Val Ile Gln Leu Pro Met Ile Asn Asn		
165	170	175
Val Met Tyr Phe Gln Ile Asn Asn Lys Thr Gly Ala Ile Ser Leu Thr		
180	185	190
Arg Glu Gly Ser Gln Glu Leu Asn Pro Ala Lys Asn Pro Ser Tyr Asn		
195	200	205
Leu Val Ile Ser Val Lys Asp Met Gly Gly Gln Ser Glu Asn Ser Phe		
210	215	220
Ser Asp Thr Thr Ser Val Asp Ile Ile Val Thr Glu Asn Ile Trp Lys		
225	230	235
Ala Pro Lys Pro Val Glu Met Val Glu Asn Ser Thr Asp Pro His Pro		
245	250	255
Ile Lys Ile Thr Gln Val Arg Trp Asn Asp Pro Gly Ala Gln Tyr Ser		
260	265	270
Leu Val Asp Lys Glu Lys Leu Pro Arg Phe Pro Phe Ser Ile Asp Gln		
275	280	285
Glu Gly Asp Ile Tyr Val Thr Gln Pro Leu Asp Arg Glu Glu Lys Asp		
290	295	300
Ala Tyr Val Phe Tyr Ala Val Ala Lys Asp Glu Tyr Gly Lys Pro Leu		
305	310	315
Ser Tyr Pro Leu Glu Ile His Val Lys Val Lys Asp Ile Asn Asp Asn		

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<400> 1083
Asn Met Asp Cys Pro Leu Asn Phe Asp Cys Pro Lys Asn Leu Phe Leu
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Ile Tyr Asn Met Leu Pro Asp Lys Val Thr Leu Asp Val Pro Ala Glu
      20              25              30

Cys Leu Ile Phe Pro Ser Gln Ile Arg Phe Glu His
      35              40
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